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JUNE 5, 1897.

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# THE CHEMIST & DRUGGIST SUPPLEMENT.

SATURDAY, JUNE 5, 1897.

Businesses for Disposal  
Businesses Wanted  
Premises to Let  
Auction Sales

## ALSO EXCHANGE COLUMN.

For Bargains see last page of this Supplement.

Partnerships  
Situations Vacant  
Situations Wanted  
Miscellaneous

THE CIRCULATION OF THE SUPPLEMENT THIS WEEK EXCEEDS 14,000

A Copy of this Supplement is inserted in every number issued of "The Chemist and Druggist."

## MESSRS. ORRIDGE & CO.

### 32 LUDGATE HILL, E.C.,

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

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**VALUATIONS.**—Valuations having always been a prominent feature, Messrs. Orridge & Co. trust that the *lengthened period* during which they have enjoyed the confidence of the profession will be regarded as a sufficient proof of the sincerity of their endeavours to conduct these transactions in an honourable and straightforward manner.

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—£1,000.—**LONDON (Suburban).**—Well-fitted, handsome, modern pharmacy; returns £1,000 yearly, *with profits fully up to the average*; comfortable residence, with garden; may be purchased either by valuation or by cash; full particulars on application.

—£500.—**LONDON, S.W.**—Light Retail Business, well situated in main road; corner position; returns exceed £500; the shop has double front, is well fitted and stocked; price £500, or near offer.

—£300.—**LONDON, E.C. (Central Situation).**—Close proximity to large institution; well suited for Chemist and Dentist, or open Surgery; present receipts £5 to £6 per week under assistant; price about £150.

—£1,000.—**LONDON, N.W.**—Good-class Dispensing Business; returns about £1,000 yearly; the business has been established many years and is for disposal on account of a dissolution of partnership; about £600 required.

—£1,000.—**KENSINGTON.**—Dispensing and Retail Business, situated in residential locality of the best class; commodious home, easily let if wished; the shop is well stocked; returns about £1,000 yearly, *with good profits*; full particulars on application.

8.—£1,000.—**SOUTH WALES.**—Light Retail, Dispensing, and Prescribing Business; well situated in the principal street; returns present rate £1,000 per annum; *net profit* £400; modern-fitted pharmacy; stock large, above the average; comfortable residence; price £750, or fair offer.

9.—£1,200.—**KENT (Naval Town).**—Well-established Business, Dispensing and Retail; returns between £1,100 and £1,200 yearly; *net profit* £300; the situation is exceptionally good; price £700.

10.—£700.—**BERKSHIRE (Large Town).**—Good-class Business, with post office attached; returns £700; double-fronted shop; convenient house; private entrance; price £600.

11.—£1,000.—**HANTS.**—Good-class Family and Dispensing Business; returns over £1,000; *profits about* £500; the shop is handsomely fitted and well stocked; price £900; estimated value of stock and fixtures.

12.—£600.—**WEST OF ENGLAND (Fashionable Health-resort).**—Retail and Prescribing Business, chiefly ready-money; returns £600, increasing; *very profitable*; good house, on lease; price £400.

13.—£500.—**SURREY (Central).**—Rural district, very pretty locality; well-established Business; returns over £600 yearly; nicely-fitted shop and good stock; Post-office attached; price about £500.

14.—£600.—**SOUTH WALES.**—Retail and Prescribing Business; chiefly ready-money; returns exceed £600; *net profit* £200; price £300, or reasonable offer entertained.

Particulars of any of the above will be furnished on application.

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2.—**HAMPSHIRE.**—Good-class Family and Dispensing Business; returns over £1,000; profits £500; handsome double-fronted shop, heavily stocked; convenient 10-roomed house; price £900.

3.—**BERKSHIRE.**—Good-class Retail and Dispensing Business; returns £700; net profit £250; excellent house, large garden; handsome shop, well stocked; price £650.

4.—**WORCESTERSHIRE.**—Market town; Retail, Dispensing, and Prescribing Business; returns £700; lease, low rent; net profit £300 clear; good house, garden; elegantly-fitted shop; price £550.

5.—**HOME COUNTY (20 miles South of London).**—Unopposed, good-class Business; returns £600; rent £30; excellent house, garden; price £450; many miles from Stores.

6.—**LEICESTERSHIRE.**—Retail and Prescribing Business; same hands 20 years; returns £6 weekly; has been neglected; low rent; good house; price £120, or valuation; rare chance for beginner.

7.—**CRYSTAL PALACE DISTRICT.**—First-class Retail and Dispensing Business; returns £1,000; rapidly growing neighbourhood; good house; handsome shop and premises; price £900, or offer.

8.—**LONDON, N.W.**—First-class Retail and Dispensing Business; returns £600, capable of increase; rent £29; good house and garden; double-fronted shop, well fitted and stocked; price £500.

9.—**LONDON, EAST (Main Road).**—Branch Retail and Prescribing Business; returns £600 under management, can do double; splendid position; unopposed; price £50, and valuation.

10.—**LONDON (West-end).**—First-class Dispensing Business; returns £600 under management; principal did £1,500; same hands 20 years; good house, could let-off if desired; price £450.

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**NOTICE.**

Gentlemen doing business through Messrs. Berdoe have the advantage of their 27 years' experience, during which time they have been solely engaged in selling and valuing Chemists' Businesses. All valuations personally conducted.

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**GLOUCESTERSHIRE.**—An old-established Country trade in centre of a busy market town, doing about £700 a year, for immediate disposal; the net profit is about £300; price £675.

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**MIDLANDS (South).**—A good old Country trade, with first-class residence and nice garden; returns nearly £900; net profit about 33 per cent.; price £750; we strongly recommend this as a sound investment.

**ESSEX.**—Light Retail and Prescribing trade, to which Dentistry might be added with advantage; returns £950; price £800; first-rate house.

**LONDON, N.W.**—Retail and Prescribing trade; returns £450; price £250; this is a profitable business, and only wants seeing.

**LONDON, W.**—Ready-money Prescribing trade; returns £400; price £200; we strongly recommend this as a reliable investment.

**KENT.**—Family trade, now under management through death of late proprietor; returns £8 weekly; price £275.

**HOME COUNTY.**—Good-class Country Business; returns about £1,300 yearly, at good prices; excellent premises in centre of market town; held on lease at a moderate rent; price £1,000.

**HOME COUNTY.**—Family trade; returns £900; price £800; large and convenient premises, with large garden.

**CRYSTAL PALACE DISTRICT.**—Light Retail and Prescribing trade, under management of an Assistant; returning £8 weekly; very profitable; rent £33; corner premises; price £300 or offer.

**LEICESTERSHIRE.**—Good-class Country trade; returns £700; very handsome Pharmacy and good house; rent £60; price £550.

**HOME COUNTY (Death Vacancy).**—A bout 20 miles from London; returns £800; price £750, or a valuation can be arranged.

**SURREY.**—Good-class Retail and Dispensing, returning under a manager about £6 weekly; valuation of stock and fixtures will be accepted.

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3.—**MIDLANDS.**—Light Retail and Dispensing; main street; splendid business position; on lease, at nominal rent; private entrance; returns over £750; price £550.

4.—Splendid chance for unqualified man; through sudden illness a Family and Dispensing Business in the Channel Islands (qualification not necessary at present); splendid position; returns about £750; price £500, or close offer; must be sold.

5.—**LONDON.**—Bargain; extra well-fitted shop; main thoroughfare; house in perfect order; price £120.

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**FINCHLEY** (best part one of the most attractive suburbs of London). Select Business, established 28 years, with Dentistry. Address, Dens, Messrs. Meggeson & Co., Miles Lane, E.O. No agents.

**SLINGTON** (best part of)—Exceptional Bargain to immediate Purchaser; satisfactory reasons; a steadily improving Retail, situated on junction of main thoroughfares; most attractive shop, plate glass windows; mahogany fittings; all modern requisites; heavily stocked; present returns over £400; easily doubled; low rental (lease); first reasonable offer, or at valuation. V. V. (142/34) Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**LANCASHIRE.**—Drug Business; no opposition; stock and fixtures good; price £120; rent 7s 6d. A. B., Messrs. Bleasdale & Co., York.

**LANCASHIRE.**—Small Drug Business; population 5,000; no opposition; price £50. X. B., Messrs. Bleasdale & Co., York.

**LANCASHIRE.**—Genuine Light Retail and Prescribing Business in main thoroughfare of town; returns £750; valuation of stock, fixtures, about £500. Full particulars from "Douvan" (146/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**LEEK (North Staffordshire).**—Good-class Light Retail and Dispensing; very handsomely fitted and well stocked; premises may be purchased with the business. Apply, W. R. Wright, Chemist, Shirley Buildings, Leek, Staffordshire.

**LIVERPOOL** (£225 to an immediate purchaser)—Old-established, well-stocked Business, on best side of busiest thoroughfare in Liverpool; 65 years in present family; good old family connection; a fortune for a really good Prescriber; 3 months' introduction given; rent £110. Apply, B., 25 Liverpool Road, Birkdale, Southport.

**LONDON (Residential Suburb of).**—For Disposal, high-class Retail and Dispensing Business, returning about £90 per annum at good prices; net profit £00; handsomely-fitted shop and good position; very good house and nice garden; no agents. Apply, "Chemicus," Messrs. Edwards & Son 157 Queen Victoria Street, E.O.

**LONDON.**—Ready-money Business, occupying commanding position, with extensive premises, in busy main thoroughfare; long lease, low rent; returns average over £2,500 a year, at excellent profits; old-established, with several good and unusual Proprietaries; lowest price, £2,400 as a going concern; only a cash buyer entertained. Write, with references, "Enterprise" (132/28), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**LONDON, N.**—Exceptional opportunity; high-class Business in the North of London; unopposed and commanding position, with excellent house attached; private entrance; returns £1,500 per annum, steadily increasing; good prices, profits large; excellent specialties, valuable agency and appointment; bona-fide purchaser with £1,500 cash, desirous of securing a good concern, can negotiate; no agents. Apply, "Delphi" (144/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**MORLEY (Yorks)**—Good Retail and Prescribing Business; returns £550; under unqualified management; very profitable; rent £25; lock-up shop, well fitted and stocked; price £450; good opening for Dentistry; one chemist in town of 23,000 population; best position, facing the Market Place; genuine; books prove turnover. Apply, "Chemicus," Morley.

**NORTH OF ENGLAND.**—Light Retail and Prescribing Business for sale; returns last year £376; net profit £120; will suit unqualified man; no opposition; population 7,000; owner taking a larger business elsewhere; good opening for Extractor and Cattle Medicines; stock and fittings worth £120; will take £100. Apply, "Durham" (140/18), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**NORTHAMPTONSHIRE.**—Good Country Business, in fast-increasing town; population 1891, 5,000, now over 10,000; only two chemists to 13,000; also the only Glass and China business in the town on same premises, separate shops; vendor retiring; rent £31 10s. For further particulars, apply Wilkerson, Rushden, R.S.O.

**OXFORDSHIRE.**—A good-class Light Retail Business; returns under management £8 weekly; good house and garden; held on lease at low rent; rising town; only one other chemist; price £240. "Oxon," 141/14, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**SOUTH MIDLANDS.**—For immediate Sale for Cash, a genuine Light Retail, Dispensing, Family and Prescribing Business in South Midlands; exceptional opening for Dental work; good house, garden, greenhouse, and shop; long lease; rent £50; no cutting; returns £800, increasing; no agents, no cards; price £825. Apply, "Fabius" (139/9), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**SOUTH WALES (Watering-place).**—Light Retail and Dispensing, with Gilbey's agency; large house; long lease; splendid opportunity; no opposition; good opening for Dentistry; season commencing; no Welsh spoken; returns £1,350; price £900. "South Walian" (139/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**WEST OF ENGLAND.**—For Sale, Homeopathic Business in West of England; established 20 years; stock at valuation, probably about £200, half of which can remain at 4 per cent. Apply, "Similibus" (137/46), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**BUSINESS for Sale.**—In a thriving Tyneside town, an old-established Business, with Gilbey's agency; capable of much increase; proprietor retiring; returns £1,200; price £800; rent £100; premises belong to owner; a good investment for an energetic man. Apply, in first instance to Mr. Duncan, c/o Messrs. Ismay & Sons, Wholesale Druggists, Newcastle-on-Tyne.

**FOR immediate Disposal, good Retail and Prescribing Business, in busy main thoroughfare; last year's takings £559; good lease; price £500, part could remain; good reasons for disposal. Address, 140/15, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O. No agents.**

**OLD-ESTABLISHED** Cash Retail Business, in densely-populated district for immediate Disposal; mahogany fitted and well stocked; returns over £500; full prices; full investigation, and satisfactory reasons for disposal. Apply, Mr. James Todd, Chartered Accountant, Preston.

**14 MILES from London.**—Unopposed Light Retail and Prescribing Business; returns £500 under management. Principal should do £700; rent £19 10s.; convenient house attached; shop is well fitted and heavily stocked; price £375. 141/15, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

**£55.**—Chemist's Business for Sale; established 1880; good Prescribing neighbourhood; rent £33 could let off if required; good house, side entrance; shop (plate-glass front), sitting-room, kitchen, scullery, 3 rooms upstairs; will accept £55 (about value of stock) for a quick sale. "Prescriber" (144/16), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

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**ADVERTISER**, having Retail Drug Store (Scotland), and desirous of adding wholesale trade, wishes to hear from chemist with £300 willing to take Partnership and look after retail trade. 144/2, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.O.

## APPRENTICESHIPS.

### RETAIL.

**WANTED** to Apprentice youth (17) to Chemist and Druggist, where he will have a good opportunity of thoroughly learning the business; has passed Preliminary; tall; state premium required, business hours, &c. H. Bartle, Northallerton, Yorkshire.

### WHOLESALE.

**WHOLESALE.**—A well-educated respectable youth desires to be apprenticed to a Wholesale firm. Apply, J. Bernard, 183 High Street, Lewisham.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond.

### RETAIL.

**BIRMINGHAM.**—Assistant; smart Junior; accustomed to Store trade. Apply, with full particulars, to Hedges & Son, Chemists, 11 and 12 Dale End, Birmingham.

**BIRMINGHAM.**—Assistant, about 20 or 21, wanted at once for General Retail and Dispensing business; must be good Counterman and Dispenser. Apply, with full particulars, age, height, references, and salary required, and send photo, Smith, Pharmaceutical Chemist, Handsworth, Birmingham.

**BOLTON.**—Wanted, young man to attend to Business in the shop and Travel 2 or 3 days when required; moderate salary; indoors. W. Chemist, Bridgman Place, Bolton.



## SITUATIONS OPEN—cont.

## RETAIL—continued.

**BRIDGNORTH.**—Messrs. Deighton & Smith, Pharmaceutical Chemists, Bridgnorth, require a qualified Assistant; also a Junior Assistant (indoors). Apply, with photo (to be returned), and all usual particulars.

**BRIGHTON.**—An Assistant, about 23, accustomed to good-class Dispensing and Retail; indoors; qualification not essential. Apply, with full particulars and photo, to John Muller, 4 Victoria Road, Brighton.

**BRISTOL.**—Qualified Assistant for about six weeks; also a Junior. Full particulars to Peacock & Co., 81 Stokes Croft, Bristol.

**CAPE TOWN.**—Assistant required, immediately, of good experience, holding Minor qualification; neat and accurate Dispenser; must write a good legible hand; aged about 25; North Countryman preferred; salary, first year £120 per annum, second year £132, third year £144; sleeping accommodation provided; second class passage paid on condition of a three years' agreement being signed; candidates must hold undeniable references. Address, "Cape," c/o Evans, Lescher & Webb, 60 Bartholomew Close, London, E.C.

**CARDIFF.**—Qualified Manager, for Branch; good Prescriber and Extractor; applicants, please send full particulars, enclose references and photo if convenient; not answered in 3 days declined. Apply, Fred Millward, 60 Woodville Road, Cardiff.

**CHINA.**—One or two Assistants, with firm having first-class Retail and Dispensing businesses in the Far East; applicants should not be over 30 years of age; qualification desirable but not essential. Address, "X," c/o Messrs. S. Maw, Son & Thompson, 7 to 12 Aldersgate Street, E.C.

**CROMER.**—Wanted, at once, Assistant, aged about 23, and of good appearance and address, for Seaside Light Retail and Dispensing business; must have good references. Applicants are requested to furnish all usual particulars, state salary required (indoors), and enclose photo, to D. Davison, Pharmaceutical Chemist, Cromer.

**CROYDON.**—Junior or Improver (indoors). Please state age, height, salary required, Davies, Thornton Heath.

**CROYDON.**—Wanted, Junior, for good-class Dispensing business; knowledge of Homeopathy not essential. State age, height, salary required, W. H. Gill, 40 George Street, Croydon.

**CROYDON.**—Temporary Assistant wanted for six weeks or more, from about June 24; indoors; knowledge of the sale of photographic goods preferred, but not essential; smart Countryman. References, age, height, salary required, and carte (returned) to Herbert Woodcock, Croydon.

**EASTBOURNE.**—Junior Assistant at once (indoors) for Light, Retail, and Dispensing Business; one accustomed to high-class work. State age, height, and salary to J. Senior, Chemist, Eastbourne.

**EASTBOURNE.**—An Assistant wanted; indoors. Apply, with full particulars, to R. Trickey Chemist, Eastbourne.

**EXETER.**—J. Hinton Lake, Ph.Ch., 41 High Street, requires, for a first-class Dispensing, Retail, and Photo trade, a qualified or otherwise experienced Assistant; either indoors or outdoors by arrangement. Full particulars, with carte, to above address.

**EXETER.**—Wanted, Junior Assistant; quick and accurate Dispenser and good Countryman. Apply, stating age, height, reference, and enclose photo, Milton & Son, Pharmaceutical Chemists, 265 High Street, Exeter.

**GLOUCESTER.**—June 17th; an obliging, active Assistant (indoors); one with knowledge of Photography preferred, but not essential. Particulars, with photo if possible, to Walwin, The Gloucester Pharmacy, Gloucester.

**GUILDFORD.**—Wanted, an Assistant, about 24; indoors; one with a knowledge of Photography preferred. Apply, stating full particulars, and enclosing carte (returnable), to Wheeler, Chemist, Guildford.

**GUILDFORD.**—A reliable, qualified Assistant (indoors) in a good-class Dispensing and Family business. Apply, with full particulars, Waller Martin, 68 High Street, Guildford.

**HULL.**—Wanted, Junior Assistant (indoors); accustomed to good-class Retail and Dispensing business; two kept; short hours. In reply, please state age, height, salary required, and references; also when disengaged. Metcalfe & Son, Pharmacists, Hull.

**KESWICK.**—For the Season; English Lake District; outdoors; an energetic Junior, accustomed to a Mixed business; July 1, or earlier. State full particulars, salary, experience, and reference, also photo, to Norman Swindle, Chemist, Keswick, Cumberland.

**LEICESTER.**—For high class Branch Store; a qualified Dispenser wanted at once. State full particulars as to age, height, salary (outdoors), references, and photo to Wand, Cash Chemist, Haymarket, Leicester.

**LANDUDNO.**—A qualified Assistant for the summer season; three or four months. Apply to J. Burton, Chemist, Llandudno.

**LONDON.**—Smart Junior Assistant, for good Pharmacy in South London; in or out doors; good appearance, address, and undeniable references essential. Apply, by letter, to "Lennox" (144/19), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LONDON (West-end).**—Qualified Dispenser, with good experience (outdoors), at once. Letters only, S. 1 Coptic Street, Bloomsbury, W.C.

**LONDON, W.**—Wanted, Junior Assistant, about 21; must be able to Dispense quickly. State age, experience, salary required and reference, J. W. Feltwell, 91 Hammersmith Road, West Kensington.

**LONDON, S.W.**—Junior for quick Retail; indoors. A., 378 Coldharbour Lane, Brixton, S.W.

**LONDON.**—Parish of St. Pancras.—Wanted, for the Workhouse of this parish, a Dispenser; age not to exceed 45 years; salary £110 per annum, rising by annual increments of £5 to £120. Candidates must be qualified in accordance with the order of the Local Government Board. Applications, to be made on forms to be obtained at my office as below, should be sent to me, accompanied by copies of three testimonials of recent date, not later than Friday, June 1<sup>st</sup>. Selected candidates will be informed when they may attend a meeting of the Guardians. Alfred A. Millward, Clerk to the Guardians, Vestry Hall, Pancras Road, N.W., May 28th, 1897.

**LONDON, W.**—Immediately, to take sole charge and develop a new Business in West-end. State age and full particulars as to experience and salary to Mr. Bennett, Chemist, Nightingale Lane, Balham.

**LONDON, S.E.**—Junior, not under 22, about June 15, for good-class Dispensing and Retail; easy hours; indoors; abstainer preferred; interview desirable, but if not convenient, then please send photo and full particulars to Harding Rees, South Norwood, S.E.

**LONDON, W.**—Junior or Improver, with time for reading, in Retail business; half-holiday allowed weekly; Sunday duty every alternate, after 6 P.M. Please give full particulars to Williams, 43 Norland Road, Notting Hill, London, W.

**LONDON, N.**—For about 12 weeks, during the holidays of assistants, a Junior of good address and counter experience; indoors; early evening weekly, half-holiday fortnightly, 1½ hour off daily, little Sunday duty. Apply, personally, or by letter, to Blackham, 675 Holloway Road, N.

**LONDON, N.W.**—Qualified Junior Assistant (outdoors); must be accustomed to good-class Dispensing business; personal application, if possible. Dunford, 142 High Street, St. John's Wood, N.W.

**LONDON, N.W.**—Wanted, Part-time Junior or Improver, indoors; would suit gentleman requiring part of the day for study; comfortable home and small salary in return for services morning and evening. G. Danney, 6 Nugent Terrace, St. John's Wood, N.W.

**LONDON, N.W.**—Qualified Assistant (young), of gentlemanly address, competent to take charge if required (knowledge of Homeopathy desirable but not essential); must have had good experience; the services of an energetic man of trustworthy and reliable character would be appreciated and liberally remunerated. Write fully, Auckland, 46 Camden Road, London, N.W.

**LONDON, W.**—Wanted, a thoroughly trustworthy and competent qualified Assistant, about 30 years of age; accustomed to first-class Retail and Dispensing. Apply to R. Hogg & Son, 1 Southwick Street, W.

**LONDON, W.**—Wanted at once, qualified Assistant for Retail counter in high-class West-end business; indoors; send full particulars. "Drugs," 140/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LONDON, S.E.**—To Dispensers.—The Metropolitan Asylums Board invite applications for the Appointment of Dispenser at the Park Fever Hospital, Hither Green, Lewisham, S.E. Salary 35s. per week, with dinner daily (subject to statutory deduction under the Poor Law Officers Superannuation Act, 1836). Candidates must not exceed 40 years of age, must be qualified under the Pharmacy Act, and have been used to clerical work. Printed forms, upon which alone applications will be received may be obtained at the Chief Office of the Board, Norfolk House, Norfolk Street, Strand, W.C., where such forms are to be delivered not later than Saturday, June 12.

June 1, 1897.

**LONDON, N.**—Jones-Owen, M.P.S., Wood Green, N., will about Midsummer have a vacancy for a gentlemanly Improver; comfortable home; time for study; only small salary for first six months; young Welshman from brisk business preferred; must have passed Preliminary.

**LOUTH.**—Outdoor Assistant, accustomed to good-class Family trade; knowledge of the Agricultural Branch essential. Apply, with full particulars, enclosing photograph, to Smith & Elkington, Mercer Row, Louth, Lincs.

**LIVERPOOL** (new Branch) and **Sheffield**—Wanted, qualified Managers; good opening for young man, with some experience in active business, desiring permanent and improving positions; no Sunday or night duty. State full particulars of references, which should cover two or three years' service with one firm, also salary required (outdoors), with photo (if possible), to Jesse Boot, Nottingham.

**LYME REGIS.**—Wanted, early in July, Junior Assistant; indoors. Apply, stating age, height, creed, salary required, and full particulars, with photo (to be returned), to G. Henley, Chemist and Druggist, Lyme Regis, Dorset.

**MADRAS.**—Qualified Assistant wanted from 25 to 30 years of age; must have had good experience in first-class business; thoroughly steady, quick, and accurate Dispenser; 3 years' agreement to be signed; salary £8 per month first year, £10 second year, and £12 third year, with option of renewal at termination of 3 years at increased pay; Board and Lodging provided; second-class passage paid. Apply, stating full particulars, to W. E. S., c/o John Murdoch & Co., 52 Leadenhall Street, E.C.

**MANCHESTER.**—At once, Managing Assistant; one with knowledge of Dentistry, Mixed trade and qualified preferred; competent unqualified man would be treated with. Apply, stating age, salary (outdoors), references (which must bear strict investigation), J. L. S., 311 Chester Road, Manchester.



**MANCHESTER ROYAL INFIRMARY.**—Junior Assistant Dispenser wanted; he will be required to attend at the Infirmary in the morning, and at the Morsall Fever Hospital in the afternoon; Minor qualification; not over 30 years of age, and unmarried; salary £90 per annum; hours 8.30 to 6. Applications, with testimonials, to be addressed to the General Superintendent.

**MANSFIELD.**—Qualified Assistant (outdoors); single; about 25; for General country business; easy hours; send photo. Adams, Chemist, Mansfield.

**NORTH WALES.**—Wanted immediately, qualified Assistant to manage Branch for season—till end of September; high-class Dispensing and Light Retail; outdoors. Apply, with photo (returnable), references, salary, &c., to Pugh, The Chemist, Rhyl.

**OLDHAM.**—Wanted, smart, energetic Assistant (outdoors) for pushing Mixed Retail business; must be reliable and a good counterman; capable of taking charge; half-holiday; duties light. Address, stating age, experience, references, and salary required, J. Walters, 52 West Street, Oldham.

**OXFORD.**—Wanted, a competent Assistant, about 25; must be a neat and accurate Dispenser; easy hours; outdoors. Apply, stating salary required and enclosing carte, to Squire, Chemist, Oxford.

**PETERBOROUGH.**—At once, an Assistant. Send particulars as to age, height, salary required, photo, and references, to Sturton & Sons, Pharmaceutical Chemists, Peterborough.

**READING.**—Immediately; good Junior; about 22; must be well up in Dispensing; qualified, and an Extractor preferred; comfortable home; light duty; close at 4 Wednesdays. Send full particulars (stating salary required and enclosing photo) to Ashfield, King's Road Pharmacy, Reading.

**REIGATE.**—Firm of Surgeons require Dispenser for a fortnight, commencing June 28; Minor qualification and reference indispensable; terms for the period £5; outdoors. Dr. Walters, Reigate.

**ROCHESTER.**—Wanted, qualified Assistant; indoors; Dispensing and Light Retail business; close early Wednesdays; a young man with business energy will be liberally treated. Send usual particulars and photo to Ostler & Co., Rochester, Kent.

**SOUTH AFRICA.**—An old-established English firm having numerous businesses in South Africa are in want of a good qualified Assistant for the Retail, aged from 25 to 30; climate healthy, prospects good. Apply, 135/74, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**SOUTH AFRICA.**—Wanted, for a Colonial seaport town, Assistant, not over 30; Minor qualification; 3 years engagement; passage paid out; salary £150, £165, and £180 respectively. Apply, with full particulars, enclosing photo and copy of testimonials, to "South Africa" (129/21), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**SOUTH DEVON.**—Seaside.—Wanted, immediately, for season or longer, a qualified Junior in a high-class Dispensing and Light Retail establishment; weekly half-holiday. Apply, with photo, salary required, age, experience, &c., to Stone & Son, Wholesale Chemists, Exeter.

**STOKE-ON-TRENT.**—Wanted, a Junior Assistant or Improver. Apply, stating age, salary required, and giving reference, to J. H. Adams & Co., Stoke-upon-Trent.

**TONBRIDGE.**—Wanted, an experienced Assistant for good Light Retail and Dispensing Business; indoors; accurate Dispenser. State age, height, salary required, enclosing photo (to be returned), also latest references, Abel, Chemist, Tonbridge, Kent.

**WARMINSTER.**—Wanted, a steady, reliable Junior (indoors), immediately, for a good-class business. State age, height, salary required, and enclose photo, Richards, Chemist, Warminster.

**WESTON-SUPER-MARE.**—Wanted in July, a qualified Assistant; outdoors; must have had experience in Dispensing and good-class Retail. Reply, stating salary required, and full particulars, to H. C. Parkes, The Church Road Pharmacy, Weston-super-Mare.

**YORKSHIRE.**—Wanted, a married man without family, to act as Dispenser and Bookkeeper in an old-established medical practice in a good market town, in Yorkshire; unfurnished house rent and taxes free, and £70 per annum; permanent situation; exceptional references required. Apply, with full particulars as to experience, age, references, &c., to X. Y., c/o Brady & Martin, Newcastle-on-Tyne.

**A FIRM** of Chemists, about to open a new business, are anxious to meet with a gentleman willing to invest £200, and take the sole Management; applicants should not be over 35 years of age, and must be well up in all the details of modern business. Full particulars to Watson, Chemists' Club, Stonecenter Street, E.C.

**BRANCH-MANAGER** wanted; expert Tooth-extractor specially wanted (R.D.S. preferred); a pushing, conscientious, and industrious Counterman will be liberally treated; married man, to live on the premises. Particulars, in the first instance, may be sent to "Wales" (137/34), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**DAY'S SOUTHERN DRUG COMPANY (LIMITED)**, Southampton, requires a qualified Assistant for the South Coast, and an unqualified Assistant for London; satisfactory references are absolutely indispensable.

**HOSPITAL** for Consumption, Brompton, S.W.—Junior Assistant Dispenser; salary £90 per annum; Minor qualification. Applications (copies) to be directed to the Board of Management, not later than June 7 next.

**MANAGER.** Homeopathic Pharmacy; need not necessarily be an absolute Homeopath; preference given to one who would be willing to take half a share in business, as present proprietor wishes to retire in two years; West of England. Apply, "Aconite" (46/137), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**TRUSTWORTHY,** obliging Assistant required; outdoors. State age, if qualified, salary required, and full particulars, Timothy White Company, Chemists, Portsmouth.

**WANTED.** at once, for season, Junior Assistant for select Retail and Dispensing. State full particulars, 133/37, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**WANTED,** a Junior Assistant, for a Dispensing business; Senior kept; personal interview imperative; short hours. Applicants will kindly state age, height, and experience, L., The Chemists' Club, Farringdon Avenue, E.C.

**WANTED,** in August, within 50 miles of London, a qualified Assistant, 22 to 25; abstainer; one with some practical knowledge of Photography preferred. Address, C. D. (142/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

## WHOLESALE.

**CHEMIST,** qualified.—Thoroughly experienced man wanted by Wholesale firm of Manufacturing Chemists and Packers of Grocers' Sundries; must be well up in general preparations, granular goods, syrups, essences, food extracts, pills, ointments, and other packed goods; to take charge of Manufacturing Department, and understand working vacuum-pan. References, with full particulars, also salary expected, in strict confidence, to "Chemist," c/o T. B. Browne's Advertising Offices, 163 Queen Victoria Street, London.

**ONE** or two first-class Travellers required, to sell Vinhos to Chemists only. Apply by letter, "Manager," 130 Queen Victoria Street, E.C.

**TRAVELLER.**—Wanted, a gentleman to wait upon Surgeons in the Midlands and South of England; the work is to be done on Commission, and a gentleman experienced in the work is preferred; the connection is well secured. Address, with particulars, to M., The Pentref, College Avenue, Maidenhed.

**WHOLESALE** Junior Invoice Clerk and Patent-medicine hand wanted, for Provincial Wholesale Drug Trade. Address, "Sagrada" (143/8), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**WANTED,** an Agent in each of the following places—viz., London, Dublin, Edinburgh, Glasgow, and Paris—who has a connection amongst Chemists and Hairdressers, and who will canvass them for the sale of a new Proprietary Toilet article; liberal commission; at agents' risk. Write to 137/37, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 6 words beyond.

### RETAIL.

**LOCUM-TENENS;** 45; town or country. Baker, 154 Fortress Road, London, N.W.

**JUNIOR;** 5 years'; brisk Store trade. J. B., 27 Delverton Road, Newton, S.E.

**LOCUM** or permanency; qualified, "Chemist," 32 George Street, Blackfriars, S.E.

**QUALIFIED;** 27; outdoors; London or suburbs. H. B., 323 Kentish Town Road, N.W.

**DISPENSER** to Doctor; aged 25; good references. S. S., 26 Mosslea Road, Penge, S.E.

**LOCUM;** experienced; disengaged till 20th; abstainer. "Locum," 29 Berwick Street, S.W.

**HALF-DAY** engagement from 2.30; qualified; disengaged June 23. C. M., 347 Green Laues, N.

**DISENGAGED** June 10; unqualified; 12 years' experience. Wilson, 124 High Street, Tonbridge.

**LOCUM-TENENS;** experienced Dispenser and Bookkeeper. "Omega," 23 Outram Street, Darlington.

**FOREIGN** Dispenser, with London experience, wants situation. Blaser, 44 Highbury Grove, N.

**GOOD** all-round quick trade; in or out; disengaged June 12; 44. D., Pearce's, Chemist, Edmonton.

**LOCUM-TENENS.**—Ten days' engagement wanted; 50s. and expenses. 2 Talbot Road, Southsea.

**LOCUM;** disengaged; qualified; 45; usual terms. Carroll, 3 Fernley Terrace, Twerton-on-Avon, Bath.

**JUNIOR;** 22; tall; Dispensing experience, Photography; London. Rees, 48 Dorset Street, Portman Square, W.



## SITUATIONS WANTED—cont.

## RETAIL—continued.

**JUNIOR**; 21; height 5 ft. 8 in.; 6 years' Stores' experience; disengaged. C., 101 North End, Croydon.

**MANAGER** or Assistant; qualified; good references. Fairweather, 12 St. Andrew's Square, Hastings.

**JUNIOR**; 20; 5 ft. 5 in.; Photography; seaside (Yorkshire) preferred. Collitt, South Parade, Northallerton.

**ASSISTANT**; good Counterman; aged 28; disengaged. "Omega," 50 Bagshot Street, Watworth, London.

**QUALIFIED**, tall (23), in London house, where several are kept; good references. W. H., Upper Cross, Sedbury.

**MANAGER**; qualified; married; aged 29; first-class experience. "Chemist," 19 Hemberton Road, Clapham.

**ASSISTANT**; unqualified; abstainer; London preferred; speaks Welsh. "Cinchoua," Camden Cottage, Tairderwen, Brecon.

**LOCUM** or Manager; qualified; good Prescriber and Extractor; 28; disengaged. Jones, 18 Dogo Street, Cathedral Road, Cardiff.

**PART-TIME**; London; outdoors; first-class experience. 142/17, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**JUNIOR**; 20; height 5 ft. 11½ in.; 4 years' experience in good-class Retail; Photography. Inger, The Hawthornes, Heanor, Notts.

**JUNIOR**, with 7 years' first-class experience, good references, wishes London outdoor situation. Nathan, 21 Portland Road, Kensington, W.

**WANTED**, instruction and practice in Tooth Extraction. Terms and particulars to J. Carter, 137 St John's Hill, New Wandsworth, S.W.

**DISPENSER** to Surgeon or firm; experienced; good references; aged 24; London or suburbs. M., 25 Zig Zag Road, Liscard, Cheshire.

**MANAGER** or otherwise; London district; 28; qualified; best experience and references. "Dental," 16 Courtneil Street, Westbourne Grove, W.

**DISPENSER**; Minor; abstainer; 24; outdoors; London; disengaged. 142/3, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**PERMANENCY**; married; unqualified; 35; furniture; Wholesale or Retail. 142/24, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LONDON** or South; 25; tall; first-class West-end and Continental experience; disengaged. "Minor," 14 Culcheth Lane, Newton Heath, Manchester.

**QUALIFIED**; 26; in Agricultural and Dispensing business. "Vox" (144/36), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**LOCUM-TENENS**; 28; thoroughly experienced; well recommended; Midlands. "Locum," 3 Clifton Terrace, South Road, Erdington, Birmingham.

**ASSISTANT** or Manager; qualified; 23; abstainer; experienced; excellent references; South of England preferred. Chettle, Trowbridge, Wiltshire.

**DISPENSER** or Assistant; Apothecaries' Hall qualification; abstainer; 6 years' experience; disengaged June 30. Saunders, Copford, Colchester.

**JUNIOR**; 21; 5 ft. 9 in.; just finished apprenticeship in good-class business; passed Preliminary; Bristol or Bath preferred. R. G. Govier, Leck, Staffs.

**JUNIOR**; 20; 5 ft. 5 in.; 5 years' experience; abstainer; disengaged Whitsuntide; Manchester or Birmingham preferred. H. Johnson, King Street, Knutsford.

**AS** Manager or otherwise; good experience in City and elsewhere; Major; married; satisfactory references. W. H. Peacock, 40 Peaseod Street, Windsor.

**ASSISTANT** or Manager, for Chemist's Dental Practice; disengaged; aged 30; good references; West preferred. Prizeman, 32 Prince of Wales Avenue, Reading.

**JUNIOR**; 21; outdoors; 5 years' experience in good-class Retail and Dispensing business; large town preferred. Address, "Rhei," 17 Exchange Street, Sheffield.

**MANAGER** or Locum; a long and varied experience, Stores and Retail, London and country; could invest a small amount. J. P., 74 Brixton Hill, London, S.W.

**LOCUM**, Permanent, or Manager; 5 ft. 6 in.; 9 years' varied experience; unqualified; knowledge Homœopathy; liberty June 12. Wild, 41 Woodfield Road, Blackpool.

**LOCUM** (unqualified); requires engagements during summer; thoroughly capable and reliable; most exceptional references. A. B., c/o "Chemist," Woburn Sands.

**SURGEON'S** Dispenser and Bookkeeper; highest testimonials and references; Manchester or suburbs preferred. "Student," 83 Queen's Road, Queen's Park, Manchester.

**HOLIDAY LOCUM**, by retired Pharmaceutical Chemist desiring occasional occupation; disengaged; abstainer; references. "Chemist," 45 New Walk, Leicester.

**LOCUM**; abstemious and reliable; tall; 28; Minor, Extract, Prescribe, Dispense; disengaged June 19. Stone, Chemist, Gillingham, Dorset. Permanent address: Chesham, Bucks.

**MANAGER** or Senior; aged 29; 13 years' experience; good references; single; north of England preferred. "Chemist," o/o Beaton, 4 Lavaine Terrace, Newcastle-on-Tyne.

**MANAGER** or Assistant; qualified; 35; Store and Retail experience; outdoors; London or near. "Chemist" (142/29), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**A SWISS** Pharmacist speaking German and French fluently, seeks a situation in an English Pharmacy. Address, 138/22, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**ASSISTANT** (Lady) requires situation, possessing knowledge of Dispensing, Photography, &c.; life abstainer and thorough Christian; aged 21; dark and good looking. Eliza Blythe, 61 Talbot Road, Blackpool.

**MANAGER**; aged 30; qualified; married; 16 years' experience, West End and Store; disengaged. Salary and usual particulars, "Verax" (144/7), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**IMPROVER**; 15 months' experience in Dispensing, &c.; little counter knowledge; is willing to give services in return for board and lodging for first six months; tallish; aged 25; Home Counties preferred. G., 28 Tredegar Road, E.

**GENTLEMAN** (22); having had three years' experience in Retail Chemist's, desires employment with first-class analytical Chemist. Apply, stating salary given (143/14), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**ASSISTANT** (outdoors), country or seaside, for season; quick, accurate Dispenser; good counterman; aged 35; energetic, sober, trustworthy; Extractor; Photography; disengaged; unregistered. "Drugs," 10 Well Walk, Hampstead, N.W.

**QUALIFIED** Assistant (Minor); will give half-time work until stronger for Dispensing, &c., in return for Board and Laundry (indoors) and nominal salary. Apply, 144/25, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**BRANCH** Manager or otherwise; colliery district preferred; unqualified; married; 34; 15 years' experience with Surgeons; excellent Prescriber, good Extractor, not afraid of work; takes with customers. T. Woodman, Washington Road, Bridgwater.

**TRAVELLER** for good Drug-house; 11 years' high-class Retail experience; same name (and a relation) represents best firm in Wholesale, and has worked North-East journey 20 years. 143/15, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**AS** Manager; qualified; aged 31; married; good experience in first-class Retail and also Cash trade; to live on premises preferred, but not essential. Please state salary, good references, address "Lint" (140/26), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

## WHOLESALE.

**QUALIFIED**, 8 years' Retail experience, wishes situation in Wholesale Laboratory. "Delta," Boulevard Pharmacy, Weston-super-Mare.

**TRAVELLER**, son of medical man, wishes to Represent good firm; experienced; aged 27; London district preferred; Surgeons, Drugs, otherwise. S. J. R. S., 5 Trinity Road, Wimbledon.

**ADVERTISER** (24) as Traveller for good house; 8 years' Counter experience; disengaged June 22; highest references; security if required. "Cimicifugi," 84 Granville Road, Walthamstow.

**ADVERTISER**, aged 19, desires situation as Wet or Dry Counterman, or General Assistant; Wholesale preferred; disengaged; excellent references. E. Gostling, 174 Wellfield Road, Streatham, S.W.

**AS** Traveller for good house; qualified; 15 years' varied experience in high-class Retail, Agricultural, and Country Wholesale. Apply, "Statim," c/o Messrs. Barron, Harveys & Co., 6 Giltspur Street, E.C.

**SMART** Salesman wishes extra commission for North of England and Scotland; already representing first-class Drug House; highest references given. 138/20, Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.

**CHEMIST'S** Assistant desires engagement; thorough knowledge of the manufacture of Toilet, Photographic, and Veterinary preparations; highest references. Address, W. G. H., 24 Christopher Street, Finsbury Square, E.C.

**TRAVELLER**, with extensive connection West of England, Scotland, and Ireland, desires to represent good Drug, Sundry, or Perfumery house; highest references. G. (144/22), Office of THE CHEMIST AND DRUGGIST, 42 Cannon Street, E.C.



## MISCELLANEOUS.

*Special charges are made for Advertisements under this heading, which can be obtained on application.*

**DISPENSING** quickly and thoroughly taught without interference with duties; preparation for Apothecaries' Hall, Laboratory Practice, Correspondence Course; fees moderate. Secretary, 38 Manchester Street, Manchester Square, W.

**STICKY FLY PAPERS:** the very best made; your own name, designs and address; send for samples and save 50 per cent.; the best. White, Chemist, Leicester. Sulphur Tablets, 28s. cwt.; Sulphur and Sarsaparilla, 45s.; free samples

**GLYCERINE AND CUCUMBER** immediately prepared by using "Crème aux Concombres," which produces a splendid creamy inseparable preparation at the cost of 50 oz. for 1s. 6d.; send for sample  $\frac{1}{2}$  lb., post free, 1s. 6d. Marshalls (Limited), 27 Red Lion Square.

**DAISY** Window Attractions are so successful that Mr. Agar, chemist, South Bank, wrote to say that had he not occasionally taken it out, the window would most certainly have been pressed in by the crowd. If you want your window smashing thus, write for particulars. "Daisy," Leeds.

**MARKING INK.**—A quantity of superior Marking Ink, in  $\frac{1}{2}$ ,  $\frac{1}{4}$ , 1 and 2 pint bottles, to be sold cheap; indelible black, always ready for use, no heating or ironing required; absolutely the best for bottling purposes. Samples on application to Ale. Koch, 12 Ardilaun Road, High-bury, N.

**A NEW TRADE FOR CHEMISTS.**—Agents wanted in all towns; Martin's Digestive Tea packed in parchment bags enclosed in square tins; it Retail at 9d., 1s. 6d., 3s. Write for particulars and samples, to John A. Martin & Co., 76 London Road, Southwark, London, S.E. Also Martin's Malted Tea; same prices; these will go well.

**CHEMISTS' Shop-fittings.**—Ranges mahogany drawers, with bevelled-edge glass labels and cut-glass knobs, shelving above, lockers below; mahogany dispensing-screens; counters with glass-case fronts; wall-cases; bent-front and flat-top counter-cases; counter-desks; tooth-brush cases; complete shop-rounds, &c.; every requisite for Chemists, new and second-hand; extensive stock to select from, at extremely low prices; practical men sent to all parts; estimates free. Matthews, Chemists' Fitter, 14 Manchester Street, Liverpool.

**COUNTERS.**—Deal, stained and polished mahogany tops, double moulded, panelled fronts, grained, 12 ft. long, 60s.; 10 ft., 50s.; if with solid mahogany tops, 12 ft. long, 90s.; 10 ft., 75s.; mahogany or walnut case counter fronts, glazed plate-glass with solid double moulded counter top, 12 ft. long, 107s.; 10 ft. long, 87s. 10s.; 12 ft. side-fitting containing drug-drawers, bevelled-glass labels, cut crystal knobs, lockers below, plaster shelving and cornice above, faced mahogany or walnut, 13s. Cheapest house for window-fittings, plate-glass shelves, mirrors. Treble & Co., Complete Shop Fitters, Rectory Works, Jenner Road, Stoke Newington, N.

**TO** Chemical Manufacturers, Druggists, and Druggists' Sundriesmen; experienced Traveller is open to receive Agencies in above. 239, Fairbairn & Sons (Limited), Advertising Agents, 1 Hanover Street, Edinburgh.

**CHEMISTS' Shop-fittings.**—Nests of counter-drawers, 4 ft. long, containing two label, two paper, one till-bowl with lock and key, and eight other drawers, 45s. each; ditto, with ten equal-sized drawers, 35s. each; ditto, 2 ft. long, with five drawers, 18s. 6d. each; 6 ft. mahogany and bent plate-glass counter-case, serving and display shelves, £5 10s.; ditto, 5 ft. long, 95s.; wall showcase, 6 ft. long by 8 ft. 6 in. high, £8 10s.; ditto, 8 ft. long, £11 10s. A large number of wall-fittings with labelled drug-drawers, shelving, lockers, &c., all sizes, counters, dispensing-screens, sponge-cases, desks, perfume-cases, bottles, nng. jars, &c., &c., at specially low prices. Philip Josephs, Shop Fitter, 54 Old Street, London, E.C.

**CHEMISTS' Shop-fittings.**—14-ft. wall fitting mirror poison-cup-board, 68 mahogany-fronted drug-drawers, bevelled white and gold labels, and cut-crystal knobs, bottle locking under, coverboard, mahogany-faced pilasters, shelving and cornice over, £18 10s.; 14-ft. serving-counter, mahogany double-moulded top, mahogany and plate-glass casing in front, £13 10s.; 2 similar, 9 ft. 6 in. long, each £18 5s. complete, suit any shop; 6-ft. dispensing-screen, mirror centre, with mahogany and plate-glass counter and sponge-case, £13 10s. complete; bent plate-glass counter-cases, with velvet trays, serving and display shelves, 8 ft., 6 ft., 5 ft., 3 ft., and 2 ft. 6 in. long, 10-ft. serving-counter, solid mahogany top and stained panelled-front, 70s.; counter-drawers, 4 ft. long, containing till, label, paper, and other drawers, 45s.; special job-line of bottles and ung.-jars, and immense assortment of shop-soiled fittings, wall-cases, handsome sponge-cases, &c. &c. Philip Josephs, Shop-fitter, 54 Old Street, City Road, London, E.C.

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N.B.—Cucumbers actually enter into the composition of this article.

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## Summary of Principal Contents of to-day's issue of "The Chemist and Druggist."

THIS week's cartoon is about the new B.P. (p. 893).

WE print a reproduction of Mr. Herkomer's portrait of Dr. John Attfield (p. 895).

THE Pharmaceutical Council found itself 1,160% short on Wednesday (p. 874).

THE Queen is to receive a loyal address from the Pharmaceutical Society of Great Britain (p. 874).

THE progress of medicine and surgery during the Queen's reign is commented upon in an editorial note (p. 886).

MR. NEWSHOLME, of Sheffield, has succeeded Mr. John Harrison as Vice-President of the Pharmaceutical Society (p. 873).

MR. WALTER HILLS has been re-elected President, and Mr. Hampson Treasurer, of the Pharmaceutical Society (p. 873).

FURTHER particulars are given on p. 892 of the new B.P. The colonial and Indian requirements are to form an appendix.

THE General Medical Council has removed two names from the medical register. An illustrated report of the proceedings is on p. 891.

PROFESSORS MOISSAN AND DEWAR have succeeded in liquefying fluorine. In the liquid state it is not nearly so energetic as in the gaseous condition (p. 892).

MR. E. DIETERICH, of Helfenberg, has published a decennium of work done in his laboratories. In commenting upon it we refer to German competition in manufacturing pharmacy (p. 888).

IN an interview with the Hon. F. S. Grimwade, of Melbourne, we have obtained some information regarding the drug and chemical trade of Victoria. We give notes of the interview and a portrait of Mr. Grimwade on p. 884.

THE latest store prices are printed on p. 869.

SOME new ideas in advertising are mentioned on p. 86

THE condition of trade in Brazil is referred to on p. 872.

THE death of Sachs, the distinguished botanist, is reported (p. 890).

AN Oldham chemist has been found dead in his shop (p. 869).

THE Pharmaceutical Association of Quebec has obtained convictions in cases against Department stores who sold patent medicines (p. 872).

MESSRS. STEVENSON & HOWELL are the poorer by a farthing this week—damages which they have had to pay a debtor for alleged libel (p. 876).

THE President of the Local Government Board is considering the advisability of supplying all medical practitioners with glycerine vaccine-lymph free (p. 881).

THE Pharmaceutical Society has successfully proceeded against the unqualified assistant of an Airdrie chemist who sold poison, including red precipitate ointment (p. 875).

THE novelties described on p. 882 are a stable salt of piperazine (citrate) and Bishop's varalettes, new clinical preparations, photo mounts and albums, and Jubilee perfumery.

THE Court of Appeal has reversed the decision of Mr. Justice Kekewich that "American Syrup of Figs" is an infringement of the title "Californian Syrup of Figs" (p. 876).

ADULTERATION-CASES reported on p. 877 are in respect to tr. cinchonæ (failed on a technical point), spt. æther. nit. (analysts Dr. Adams and Dr. Paul—Somerset House to decide), and tr. opii (aqueous and containing a tenth of proper quantity of morphine—fine 5l.).



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### BOOKS AND PERIODICALS.

**Minor:** "Where to Study;" stamp. TALBOT & Co., 155 Upper Thames Street, E.C.

**Four** first vols. £1, or 7 first vols. £1 10s., *Strand Mag.*, newly-bound, gilt. EASTMAN, Forest Lane, Stratford.

**For Sale.** *The Chemist and Druggist*, 1884, 1885, 1886, 1887, 1890, 1891; what offers? 40/21, Office of the C. & D.

**"The Chemist and Druggist"** for last five or six years; 1½ cwt., 5s. per cwt., carriage paid. W. HOSKIN, 16 Westhill, Huddersfield.

### FORMULÆ.

**Formula** for emuls. of morrh. c. hypophos., creamy and inseparable; keeps any length of time, and is very pleasant to take; neither acacia nor egg used; commands ready sale; price 2s. 6d. J. CARTER, 137 St. John's Hill, New Wandsworth, S.W.

### PROPRIETARY ARTICLES.

**1 doz.** 1s. 3d. tins triticine (clean); carriage paid, 7s. WRIGHT, Hawick. **Wilson's** food; 12 1s. 3d. tins, 2 soiled; all good; cheap. HULME, Bury. **Case** 100 half-bottles Johannis, as new, 19s. WOODWARD, Pharmacist, Reigate.

**Quantity** 7d. and 2s. 6d. size G. & G. Stern's narisssa, the new nourishing food; what offers? 143/24, Office of the C. & D.

**770** santal capsules, guaranteed English oil, 800 copaiba, both Bartlett Hooper's; also 3 Denoual's copaiba; lot cost 36s.; price 26s. DREW, 277 Borough, London.

**For Sale.** 22 1s., 34 2s. stramonium cigarettes, 25s.; 10 2s., 11 2s. 6d., 6 5s. Chapman's royal cattle-oils, £2 or nearest offer; clean. 137/36, Office of the C. & D.

**Clean** patents, post free: 2 doz. Carter's L.L. pills, 20s. 6d.; ½ doz. 2s. 9d. Beecham's, 6s. 3d.; ½ doz. 2s. 9d. Cockle's, 5s. 6d.; ½ doz. 4s. 6d. Cockle's, 9s.; the lot for £2 1s. BURGE, Fernhead, Paddington.

### SHOP FITTINGS.

**Shop-rounds**, gold labels, new, 18 doz., seen at Maw's, London; a bargain. RAE, South Queensferry.

**Shop-counter**, nest drawers (20"), lockers, shelves, &c.; seen at Raimce's, Edinburgh; cheap. RAE, Queensferry, S.O.

**For disposal**, capital mahogany dispensing-screen, with counter, &c., complete, 6½ ft. long, only £4, a bargain. PRATT, c/o Heath Bros., Blackfriars Bridge, Manchester.

**About** 12 dozen graduated measures, various sizes, cheap; 30 in. by 24 in. indiarubber mat, 15s., cost double; 36 in. by 24 in., 16s. 6d.; 60 in. by 20 in. and 48 in. by 20 in. (9 ft. complete), suit front of counter, cheap, perfect. "CHEMIST," 88 East Street, Walworth.

**7-ft.** dispensing-screen, in mahogany frame, moulded top, with plate-glass tablet written "Dispensing Department;" 10 ft. serving-counter, in black and gold, stout mahogany-moulded top and carved brackets; mahogany desk with screen; 2 large carboys, cut stoppers; 2 small ditto cut stoppers; 2 specijars; great bargain; to clear £6 the lot. WELLS WOOD, 8 Albion Parade, Albion Road, Stoke Newington, N.

**Dainty** fittings (complete) for a small chemist's shop about 10 ft. square, comprising shelving, cornice, large handsome case and cupboard of stained pine, run of mahogany drawers, glass knobs, bevelled-glass labels, 2 counter-cases, bottles from 32 oz. to 8 oz., pots (dark blue), syrup-bottles (turquoise-blue); all new January, 1896, except the drawers; set drawers under counter (label, cash, &c.), scales, weights, tap and sink, &c.; first good offer accepted. McKEE, Cash Chemist, Tunstall.

### APPARATUS.

**Portable** N<sub>2</sub>O apparatus, complete with face-piece, 50-gall. bottle, good condition, £2 12s. 6d. NATHAN SMITH, Chelmsford.

**Bracher's** automatic still, produces about 12 gallons daily; good condition; cost 77s., price 50s. SHRUBSOLE & SON, Chester.

**Soda-water** trolley; a boy of eight can easily convey 3 doz. syphons and cases any distance; 35s., carriage paid. ARTHUR & Co., Cambridge.

**For Sale**—1 Chinnery's patent portable agitated soda-water machine, with bottler attached, 117.; and 1 for chemicals only, 97.; as good as new. Address, 21/40, Office of the C. & D.

**For Sale**, steam-jacketed copper pan, 15 gallons, on iron stand; 4-brunch syrup-junction, with 4 10-ft. length tin-lined pipes; 4 8-gallon syrup-jars, with connecting-taps; turnover filling-machine, with syrup pump; what offers, together or separate? BRIGHAM, Chemist, Pocklington.

### OPTICAL AND PHOTOGRAPHIC.

**20** obach dry cells, N size; 12-in. plate frictional machine, with accessories; Ruhmkorff coil, 4-in. spark; 5 1-pint Bunsen cells. RUSSELL, Chemist, Windsor.

**Kodak**, No. 4 Junior, glass-plate attachment, 3 double dark-slides, all in case, walking-stick stand; cost £13; what offers? KIRKBY, 7 Ardwick Green North, Manchester.

**Röntgen** rays.—4-in. Ruhmkorff coil, fluorescent screen, 3 battery-accumulators, 2 focus tubes; all Hicks's make; quite new; cost £23, what offers? 45 Rye Lane, Peckham.

**Powerful** microscope, magnifying 400 times, bronze stand coarse and fine adjustment, divis. bin. triplet, ½ dividing to ¼ and 1-in. objectives, rotating diaphragms, adjustable mirror, live-cage and forceps, polished mahogany cabinet, lock, key; worth £5, take £2 17s. 6d. JOHNSON, Chemist, Edward Street New Cross.

### MISCELLANEOUS.

**I. R. bed**, 3 feet by 4½ feet. Offers to DAVIDSON & GRAY, Dundee.

**About** 2 oz. otto rose virgin; also platinum crucible, capacity about 1 fl. oz., with cover. 143/18, Office of the C. & D.

**Three** Oppenheimer's 3s. 6d. ferri carb. hipalatinoids, 6s.; plated pessary-mould, nearly new, 6s. HENDERSON, 37 Hewitt Road, Hornsey, N.

**Heavy** iron mortar, 2 gall., 5s.; 8 gross 1½-oz. bottles, fl. ts, blown-off necks, 12s. list books; 10 gross wool boxes as Beecham's 7½d., 13½d., 20s.; garlic, 5d. R. C. MASON, Bromsgrove.

**X-ray** focus-tube, new, cost 30s., cash 18s. 6d.; 10 gall. carboy, pear-shaped, cut glass stopper, 21s.; microscope, by Collins, 3 powers, 50s.; approval. HAILSTONE, Chemist, Colliers Wood, S.W.

### WANTED.

**Jago's** "Chemistry," latest edition. BROWN, Chemist, Earlestown, Lancashire.

**Copper** hot-water chamber for drying precipitates. PLUMBE, Market Street, Mansfield.

**Counter-case**, bent-top glass, 6 ft. long; state full particulars. HENDRY, Chemist, Renfrew.

**Second-hand** check-till, Gledhill's or O'Brien's; state price. COOPER, 133 High Road, Ballham.

**Vulcaniser**, flasks, lathe, impression-trays, and other dental tools. BURGE, Fernhead, Paddington.

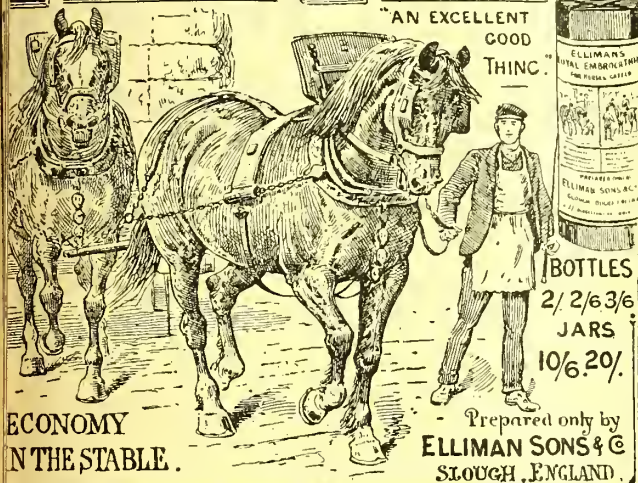
**"Journal of Chemical Society,"** 1863 to 1870 inclusive. Price to J. P., 16 Chancer Street, Leicester.

**A good** tooth-brush case, with 2 or more divisions; full particulars and sketch. TOOTHILL, Pharmacist, Altrincham.



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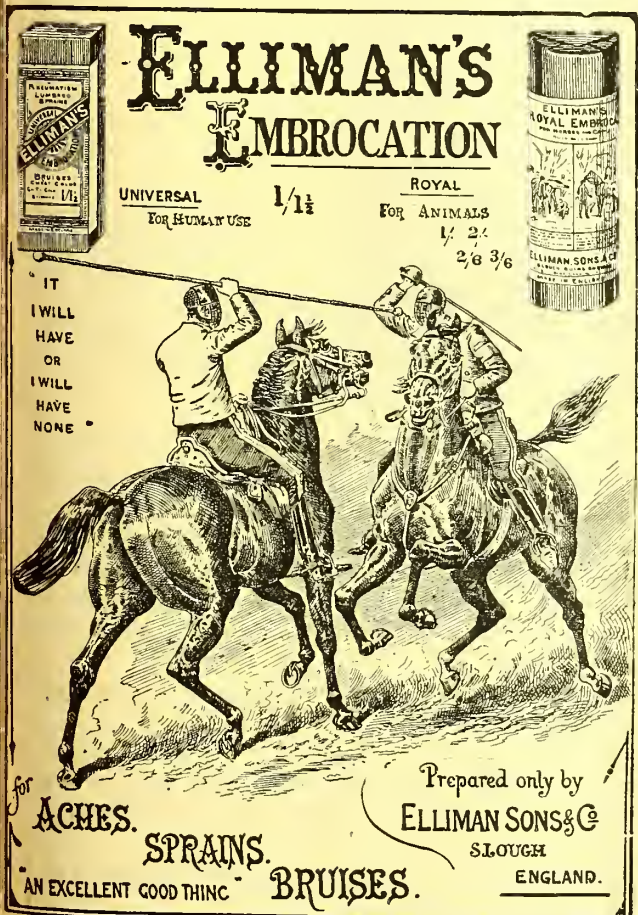
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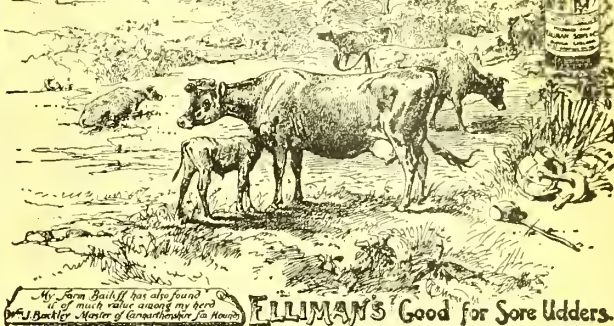
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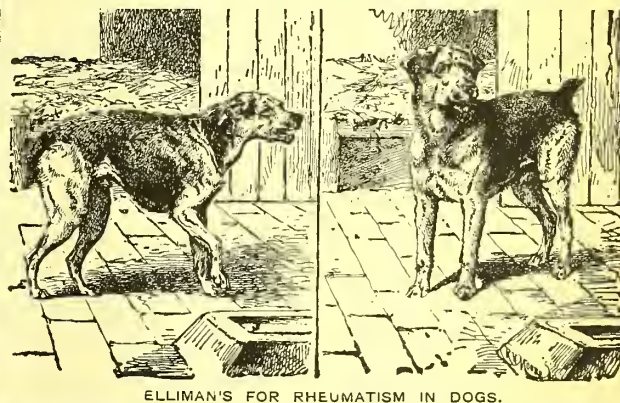


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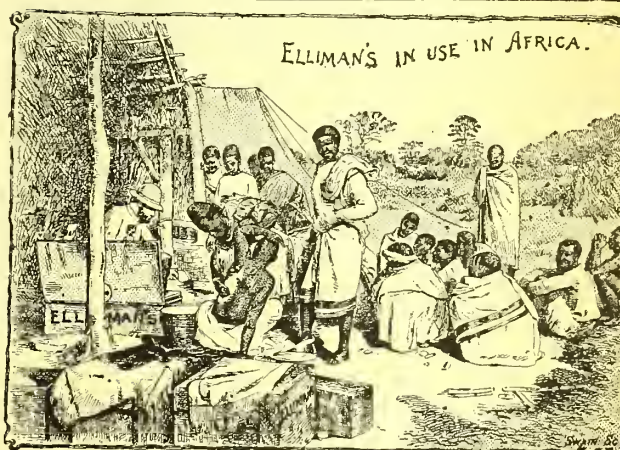
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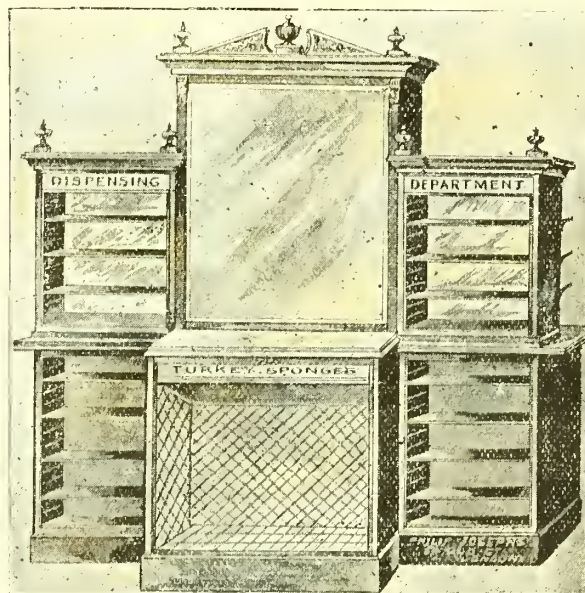
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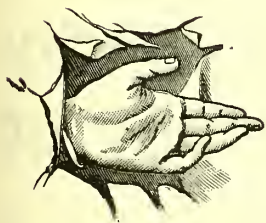
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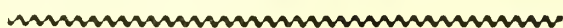
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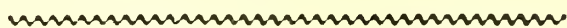
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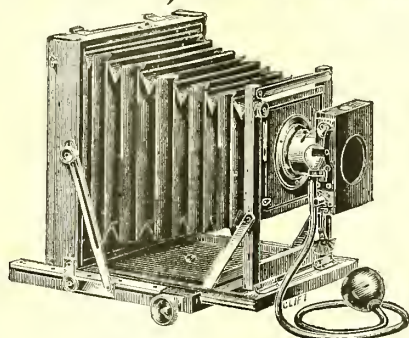
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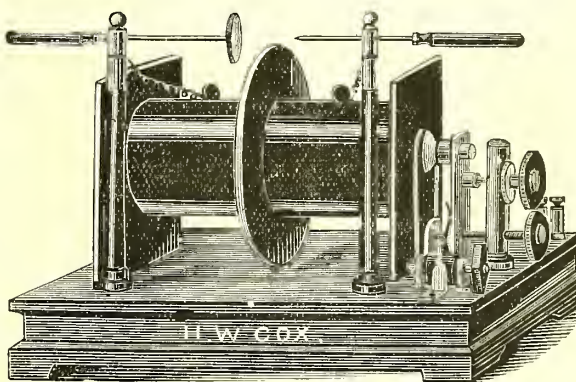
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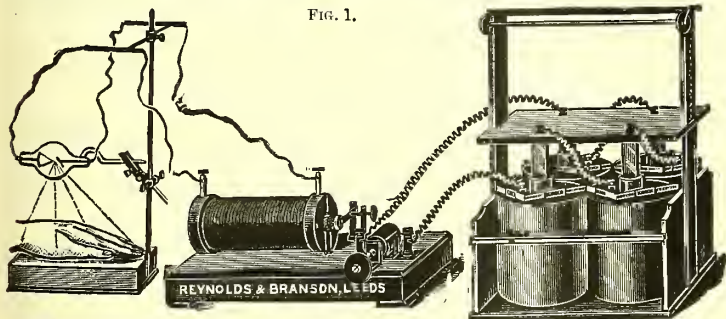
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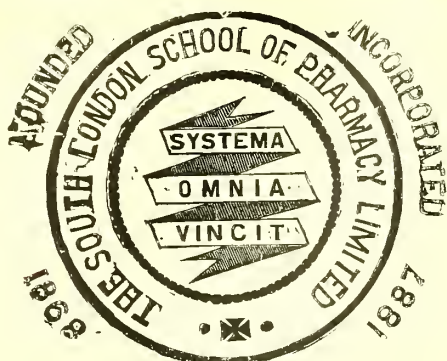
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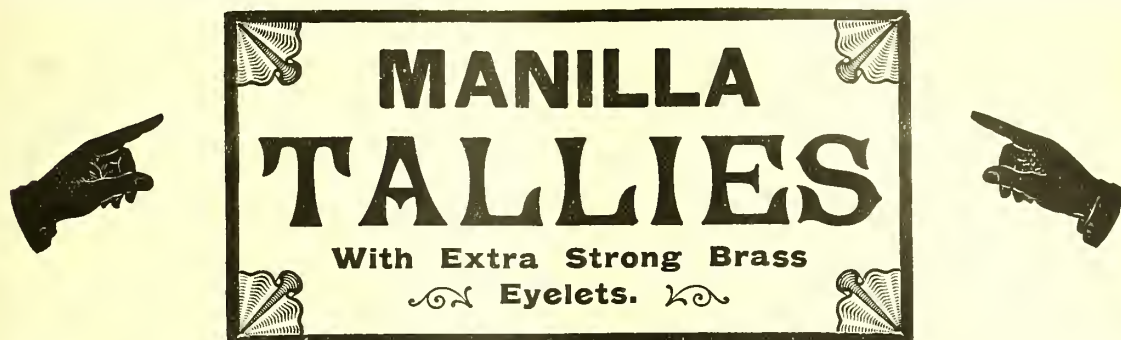
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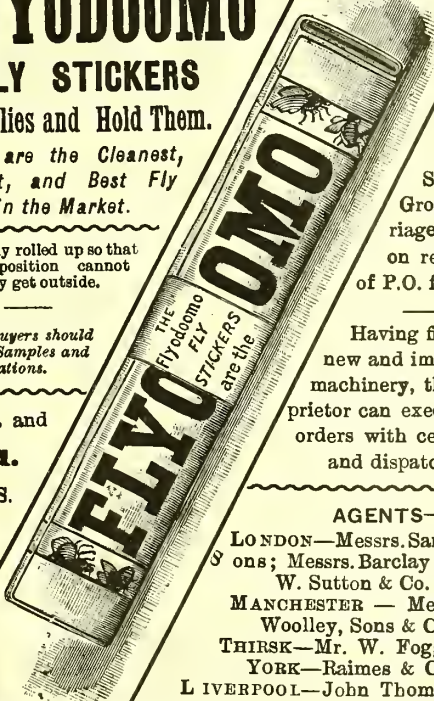
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The Crown Perfumery Company are compelled, owing to recent infringements of their well-known trade mark and to imitations of their well-known **CROWN-STOPPERED BOTTLE** and **LABELS** in which their "**INVIGORATING LAVENDER SALTS**" are offered for sale, to caution the public, and especially dealers in perfumery, against infringing their said trade mark and buying or selling any "Invigorating Lavender Salts" (unless made by the Crown Perfumery Company), which are sold in **Bottles** that imitate or only colourably differ from the appearance of the Crown Perfumery Company's bottles.

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In an action

In the High Court of Justice, 1896.—T. No. 152.  
Chancery Division,

MR. JUSTICE ROMER.

BETWEEN The Crown Perfumery Company - - Plaintiffs

AND

Alfred George Kenderdine - - - Defendant.

The Defendant, after having been heard by his solicitor on the 17th February, 1897, submitted to an injunction, with costs, restraining him from infringing the said trade mark, and from imitating the get-up or general appearance of the Plaintiffs' bottles of smelling salts and the labels thereon. And it was ordered that the Defendant should deliver up or destroy, in the presence of an agent of the Plaintiffs, all labels which offended against the injunction above referred to, and also pay the costs of the action.

The Crown Perfumery Company have instructed their Solicitors to take immediate proceedings against all persons infringing the said trade mark or the said labels or bottles.



# JAKSON'S Lavender Water

A One Shilling Bottle of this Perfume  
guaranteed to contain more value in  
Lavender than a Pint of that as  
usually sold.



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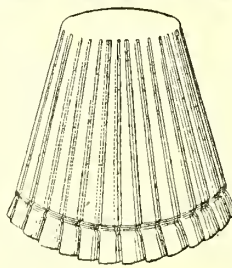
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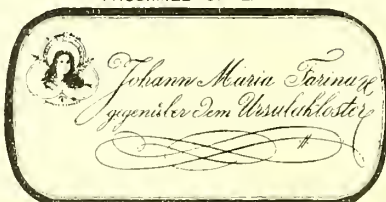
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Burroughs, Wellcome & Co.  
(Thermo Safe)

**FILTERS**

Berkfield Filter Co., Ltd.  
Mawson Filter Co.

**FLY CATCHERS**

Bleasdale, Ltd.  
Buchan, D. D.  
Ford, Shapland & Co.  
Marshalls, Ltd.  
Maw, S., Son & Thompson  
Strong, Christy  
Tunbridge & Wright

**FOOD (Infants & Invalids)**

Allen & Hanburys  
Beanes & Co.  
Benger's Food  
Brand & Co.  
Framo Food Co., Ltd.  
Goodall, Backhouse & Co.  
Hawkesley, T. (Steriliser)  
Horlick & Co.  
Irving, Son & Jones  
Kyde & Co.  
Lazenby & Son, Ltd.  
Liquor Carnis Co.  
Liebig Co. | Lorimer & Co.  
Mellin's Food | Nestle, H.  
Savory & Moore  
Tyrer, P.  
Van Cocoa (Dr. Tibbles)

**GELATINES**

Boehm, F.

**GINGER ALE**

Bratby & Hinchliffe, Ltd.  
Chemists' Aerated & Mineral  
Water Association, Ltd.  
Ellis & Son | Hay, W., Ltd.  
Mills, R. M., & Co.

**GLYCERINE**

Boehm, F.  
Fink & Co.  
Price's Candle Co., Ltd.

**GRANULAR PREP.**

Bishop, A., & Sons  
Boulton, J., & Co.  
Davies, Gibbins & Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Hearon, Squire & Francis  
Lloyd, T. Howard & Co.  
Lofthouse & Saltmer  
Tyrer, T., & Co.  
Wright, Layman & Umney

**GUM**

Fink & Co. (Arabic, &c.)  
Graf, F.

**HAIR PREP.**

Alexandre's Shadine  
Chesebrough Co.  
Depile Co.  
Edwards & Co.  
Hawkesley, T.  
Truett, H. P., Ltd.

**HERB BEER EXTS.**

Adams, B.  
Newbery, F., & Sons  
Potter & Clarke

**HOMOEOPATHIC**

Leath & Ross  
Watson & Waters

**HONEY**

White, G., & Sons

**HYPHOSPHATES**

Duncan, Flockhart & Co.  
Fellows  
Fletcher, Fletcher & Co.  
Tyrer, T., & Co.

**INHALERS**

Burroughs, Wellcome & Co.  
Krohn & Seemann  
Lynch & Co., Ltd.  
Sanitas Co., Ltd.

**INSECTICIDES**

Barclay & Sons, Ltd.  
Bleasdale, Ltd. | Jackson, T.  
Endkin's Moth Bricks  
Sanitas Co., Ltd.  
Tunbridge & Wright

**JELLOIDS**

Warrick Bros.

**KETCHUP**

Tyrer, P.

**LARD**

Ewen, J., & Son  
Lavender Water  
Jackson, J., & Co.

**LAVENDER WATER**

Jackson, J., & Co.

**LINT**

Burgoyne, Burdidge & Co.  
Christy, T., & Co.  
Liverpool Lint Co.  
Maw, S., Son & Thompson  
Newsome, C.  
Robinson & Sons

**LIQUORICE**

Evans, Sons & Co. (Savars)  
Frankenstein, S. M., & Co.  
Hillaby, J.  
Lorimer & Co.  
"Solazzi"

**LIQUORS**

Blackwell, Hayee & Spilsbury  
Davies, Gibbins & Co.  
Fletcher, Fletcher & Co.  
Lloyd, T. Howard, & Co.  
Moss, John, & Co.  
Oppenheimer, Son & Co., Ltd.  
Stevenson, H. E., & Co.

**LEECHES**

Fitch & Nottingham

**LOZENGES**

Allen & Hanburys  
Davies, Gibbins & Co.  
Gibson, R., & Sons (Manfrs.)  
Guest, T., & Co., Ltd.  
Lorimer & Co.  
Raines & Co.  
Warrick Bros.

**LUNG PRESERVES**

Zimmer & Co.

**MACHINERY**

Bennett, Sons & Shears, Ltd.  
Gardner, W., & Sons  
Melin, C. | Pindar, J. W.  
Volcanic Aeration Co.  
Werner, Pfeiderer & Perkins, Ltd.

**MAGNESIA**

Bleasdale, W., & Co.  
Davies, Gibbins & Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Henry, T. & W. (Calcined)  
Lloyd, T. Howard, & Co.  
Washington Chemical Co.

**MALT EXTRACT, &c**

Allen & Hanburys  
Beynon & Co.  
Blackwell, Hayee & Spilsbury  
Burroughs, Wellcome & Co.  
(Keplers)  
Davies, Gibbins & Co.  
Distillers Co., Ltd.  
Evans, Gadd & Co.  
English Diastatic Malt Extract Co., Ltd.  
Hearon, Squire & Francis  
Lorimer & Co. | Moss, J., & Co.  
Oppenheimer, Son & Co., Ltd.  
Parke, Davis & Co.  
Raines & Co.  
Robinson & Co.

**MARKING INKS**

Boehm, F.  
Boehm, F. (Daughters of the late John (Ink and Pencils))

**MEDICINE CHSTS**

Burroughs, Wellcome & Co.  
Day, Son & Hewitt (Veterinary)  
Day & Son (Veterinary)

**MENTHOL**

Ayrton & Saunders  
Evans, Lescher & Webb  
Maw, S., Son & Thompson  
Shirley Bros. | Tyrer, P.

**MERCURIALS**

Howards & Sons  
May & Baker, Ltd.  
Tyrer, T., & Co.

**METH. SPIRITS, &c.**

Boord & Son | Burrough, J.  
Jones & Co. | Phillips, G., & Co.  
Smith, S., & Co.  
Warren, A., & J.

**METHYLENE**

Robbins, J., & Co.

**MICROSCOPES**

Darton, F., & Co.

**MILK**

Hawkesley, T. (Sterilize)  
Horlick & Co.  
Nestle, H. (Condensed)

**MORPHIA**

Beynon & Co.  
Macfarlan, J. F., & Co.  
Smith, T. & H., & Co.

**OILS, &c.**

Anglo American Drug Co.  
Calvert Bros. & Co.  
Hooper, B., & Co. (Sandalwood)

**OINTMENT**

Burroughs, Wellcome & Co.  
(Lanoline)  
Chesebrough Co. (Vaseline)  
Davies, Gibbins & Co.  
Lloyd, T. Howard, & Co.  
Stevenson, H. E., & Co.

**OPTICIANS**

Botwright & Grey  
Dartnall, J., & Co.  
Raphael, J., & Co.

**OXIDE OF ZINC**

Hubbuck, T., & Son, Ltd.  
Stevenson, H. E., & Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Willows, Francis & Butler  
Woolley, Sons & Co.  
Wyley, J. E.

**PALATINOLIDS**

Oppenheimer, Son & Co., Ltd.

**PASTILLES**

Jackson, T.

**PAT. MEDCNS, &c.**

Anglo American Drug Co., Ltd.  
Atkin, Lung Healer Lung  
Barclay & Sons, Ltd.  
Beecham, T. (Pills)  
Bow's, Dr., Liniment  
Clarke's Blood Mixture  
"Daisy" Headache Powders  
Edwards & Son  
Evans, Lescher & Webb  
Evans, Sons & Co.  
Fassett & Johnson  
Fanning (Powders)  
Goodall, Backhouse & Co.  
Guy's Tonic  
Holloway (Pills and Oint.)  
Hovenden & Sons  
Lalor (Phosphodyne, &c.)  
May, Roberts & Co.  
Newbery, F., & Sons  
Richards, J. M.  
Roberts & Co.

**PENS**

Jewel Pen Co.

**PEPSIN, &c.**

Armour & Co.  
Burroughs, Wellcome & Co.  
Cerebos Limited (Pessalia)  
Kuhn, B. (Pain Finkler)  
Newbery, F., & Sons (Inglvin)  
Oppenheimer, Son & Co.  
Parke, Davis & Co.  
Stevenson, H. E., & Co.

**PESSARIES**

Rendell, W. J.

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Barclay & Sons, Ltd.  
Bleasdale & Co.  
Blondeau & Cie. | Boehm, F.  
Brager, L.  
Bristow, T. F., & Co.  
Burgoyne, Burdidge & Co.  
Burroughs, Wellcome & Co.  
Bush, W. J., & Co.  
Carmichael, M. W.  
Chesebrough Co.  
Cook, E., & Co.  
Corbyn, Sussey & Co.  
Crown Perfumery Co.  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Ewen, J., & Sons | Farina, J. M.  
Frankenstein, S. M., & Co.  
Grossmith, Son & Co.  
Hovenden & Sons  
Lanoline  
Lynch & Co., Ltd.  
Moise, B. F., Ltd.  
Mulhens, F.  
Newbery, F., & Sons (Berdoee)  
Pears, A. & F., Ltd.  
Price's Patent Candle Co.  
Sanitas Co., Ltd.  
Schutze, F., & Co.  
Sharp Bros. Soap & Perfumery Co., Ltd.  
Sinclair, Jas., & Son  
Tidman & Son | Treatt, R. C.  
Truett, H. P., Ltd.  
Van Oppen & Co.  
Warrick Bros.  
West, T. (Kewell's Mosa)  
Woolley, Sons & Co. (Powder)  
Wright, Layman & Umney

**PEPPERMINT OIL**

Bush, W. J., & Co.  
Jackson, J., & Co.  
Ransom, W., & Son  
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Todd, A. M.

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Robbins & Co.  
Sanitas Co., Ltd.  
Tyrer, T., & Co.

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Allen & Hanburys  
Christy, T., & Co.  
Dee Oil Co., Ltd.  
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Barron, Harveys & Co.  
Boehm, Fredk.  
Boehring, C. F., & Sohne  
Boulton, J., & Co., Ltd.  
Burgoyne, Burdidge & Co.  
Burroughs, Wellcome & Co.  
Davies, Gibbins & Co.  
Dieterich, Eugen  
Duncan, Flockhart & Co.  
Evans, Gadd & Co.  
Evans, Lescher & Webb  
Evans, Sons & Co.  
Farris & Co.  
Fletcher, Fletcher & Co.  
Hearon, Squire & Francis  
Hewlett & Son  
Howards & Sons  
Kuhn, B.  
Lofthouse & Saltmer  
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Mackey, Mackey & Co.  
Marindale, W.  
May & Baker, Ltd.  
Moss, J., & Co.  
Oppenheimer, Son & Co., Ltd.  
Parke, Davis & Co.  
Potter & Clarke  
Richards, J. M.  
Roberts & Co.  
Smith, T. & H., & Co.  
Smith, W. F.  
Squire & Sons  
Stevenson, H. E., & Co.  
Symes & Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Willows, Francis & Butler  
Woolley, Sons & Co.  
Wyley, J. E.  
Zimmermann, A. & M.

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Sesbury & Johnson  
Solport Bros. (Court)

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Cox, H. W.  
Darton, F., & Co.  
Evans, Sons & Co.  
Houghton, G., & Son  
Howards & Sons (Chemicals)  
Lockyer, J. E.  
Mackey, Mackey & Co.  
Maxwell, Bayes & Co.  
Raphael, J., & Co.  
Reynolds & Branson  
Sendell Works Co., Ltd.  
Thornton-Pickard Co.  
Tyrer, T., & Co.  
White, Alfred, & Sons  
Woolley, J. Sons & Co.  
Zimmermann, A. & M.

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Maw, S. Son & Thompson  
Tyrer, P.

**SCHOOLS, &c.**

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City School (Skerry's)  
Davis, F.  
Dawes, A. H.  
Glasgow School of Pharmacy  
Liverpool School  
Manchester Col. of Pharmacy  
Metropolitan Col. of Pharmacy  
North of England School  
Northern College of Pharmacy  
Royal Dispensary (Edinburgh)  
Sheffield College of Pharmacy  
South London School of Pharmacy, Lim.  
Westminster College

**SCIENTIFIC INSTRUMENTS**

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**SEEDS**

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Potter & Clarke  
Spratt's Patent, Lim. (Bird)

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Hors & Co. | May, Roberts & Co.

**SELTZOGENES**

Brady & Hinchliffe, Lim.  
May, Roberts & Co.

**SERUM**

Greiff, R. W., & Co.  
Hovenden & Sons (Euxesis)

**SHAVING**

Lloyd, A., & Co. (A. S. Lloyd's  
Euxesis)

Truefitt, H. P., Lim.

**SHEEP DIP**

Fletcher Bros & Co.  
Harescough & Co.  
Jeyes' Sanitary Compounds Co.  
Kühn, B. (Kresochine)  
Ness & Co.  
Sanitas Co., Lim.

**SHOP FITTERS**

Bowling & Govier  
Bygrave, J. & W.  
Evans, Sons & Co.  
Josephs, C., & Co.  
Josephs, Philip  
Treble, G., & Son  
Yates, W. S.

**SOAP**

Blondeau et Cie. (Vinolla)  
Bronley, H., & Co.  
Cook, E., & Co.  
Crosfield, J., & Sons, Lim.  
Gibbs, D. & W. (Medicated)  
Huggin's Soap Works, Lim.  
Jameson, W. (Arsenical)  
Jeyes' Sanitary Compounds Co.  
Mackenzie's, Dr. (Arsenical)  
Maypole Soap Co., Lim.  
Mühls, P.  
Pears, A. & F., Lim.  
Sanitas Co., Lim.  
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Sinclair, J., & Son  
Tidman & Son  
Wright, Layman & Umney

**SPECTACLES**

Botwright & Grey  
Darton, F., & Co.  
Raphael, J., & Co.

**SPONGES**

Cohen, I. & M.  
Creswell Bros. & Schmitz  
Peterson, M., & Co.

**STARCH**

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Macfie & Sons

**SUGAR OF MILK**

Boehm, Fredk.

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Ayrton & Saunders  
Bailey, W. H., & Son  
Barclay & Sons Lim. [Co.  
British-American Ball Nozzle  
Burgoyne, Burdidge & Co.  
Eschmann Bros. & Walsh  
Ferris & Co.  
Haywood, J. H.  
Ickringill's Hygienic Cloth  
Syndicate, Lim.  
Krohne & Sesemann  
Liverpool Patent Lint Co.  
Lynch & Co., Lim.  
Macfarlan, J. F., & Co.  
Manson, R.  
Maw, S. Son & Thompson  
Milne, J.  
Oppenheimer, Son & Co.  
Powell & Barstow  
Quelch, H. C.  
Robinson & Sons  
Sanitas Co., Lim.  
Schutze, F. & Co.  
Wood, Vincent  
Woodruff, T.

**SYMPHONS**

Barnett & Foster  
Brady & Hinchliffe, Lim.  
British Syphon Mfg. Co.  
Chemists' Aerated and Mineral  
Waters Association, Lim.  
Geraut, E., & Co.  
Idris & Co., Lim.  
Kilner Bros. | Melin, C.

**SYRUPS**

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Blyton, Asley & Co.  
Fletcher, Fletcher & Co.  
(Liquors)  
Stevenson & Howell  
Volcanic Aeration Co.

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Davies, Gibbins & Co.

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Tower Tea, Lim.

**TEETHING PADS**

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Marriott, E., & Co.

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Bailey, W. H., & Son  
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Hicks, J. J.

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Singleton & Cole, Lim.

**TINCTURES**

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Davies, Gibbins & Co.  
Evans, Sons & Co.  
Hewlett, C. J., & Son  
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Moss, John, & Co.  
Parke, Davis & Co.  
Sinclair, Phillips & Co.  
Wyleys, Lim.

**TOILET**

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Beetham & Son [Lanoline]  
Burroughs, Wellcome & Co.  
Crosfield, J., & Sons, Lim.  
Dee Oil Co., Lim.  
Hovenden & Sons  
Lynch & Co., Lim.  
Malcolm & Co.  
Maw, S. Son & Thompson  
Moise, B. F., Lim. [Lim.  
Peacock's Ovaline Soap Co.  
Sanitas Co., Lim. [Co., Lim.  
Sharp Bros. Soap & Perfumery  
Southall Bros. & Barclay  
Squire & Sons  
Tidman & Son, Lim.  
Townsend, J. (Paper)  
Truefitt, H. P., Lim.

**TOOTH PASTE**

Beecham, T.  
Jewsbury & Brown  
Maw, S. Son & Thompson  
Parke, Davis & Co.  
Sutton, O., & Co.  
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**TRADE MARKS**

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Vaccine Association (Lymph)

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Rookledge, F. E.  
Sanitas Co., Ltd. | Spratt's (Dogs)  
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Bush, W. J., & Co.  
Davies, Gibbins & Co.  
Davy, Hill & Son Yates & Hicks  
Evans, Gadd & Co.  
Evans, Sons & Co.  
Evans, Lecher & Webb  
Ferris & Co. | Graf, F.  
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Harker, Stagg & Morgan  
Heaton, Squire & Franks  
Hewlett & Son  
Kemp, Wm., & Son  
Lloyd, T. Howard, & Co.  
Lothhouse & Saltner  
Macfarlan, J. F., & Co.  
Potter & Clark  
Raines & Co.  
Raines, Clark & Co.  
Smith, B. A., & Co.  
Stevenson, H. E., & Co.  
Taylor & Colledge  
Willows, Francis & Butler  
Woolley, Jas., Sons & Co.  
Wright, Layman & Umney  
Wyleys, Lim.

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Phillips, G., & Co. | Robinson, B.  
Smith, S., & Co. (Orange)  
Stevenson, H. E., & Co.  
Symons, J., & Co., Lim.  
Warren, A. J.  
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IN ORDINARY BOTTLES AND SYPHONS

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Per Case of 25 large bottles,	<b>22/6</b>	.....	Per dozen,	<b>12/-</b>
„ „ 50 small „	<b>35/-</b>	.....	„ „	<b>10/-</b>
„ „ 25 large „	<b>21/-</b>	} Per 10-case lots.		
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SPARKLING  
TABLE  
WATER.

SELLS READILY  
AND LEAVES  
A GOOD PROFIT.

Quarts, Pints, and Splits. Liberal Discount to Chemists. ROSBACH SPRINGS, LIM., 19 Regent St., S.W.

Only ONE in each Town.

**WINE LICENCES.**—We pay the licence for our agents; we give 33½ discount, sample doctors, bill towns, give sole agency and newspaper advertisement; one agent sold 48 doz. in eleven months; send for circular; secure agency White's Gold Medal Coca Wine. S. B. White, A.Ph.S., Leicester.

Why not YOU?

## SELTZOGENE CHARGES

("MINERAL" BRAND).

A NEW DEPARTURE.  
TARTARIC ACID SUPERSEDED

(See this Journal, 19/12/96, page 880).

British Materials. Inorganic. No Field for Germ Growths.  
BETTER. STRONGER. CHEAPER

THE SELTZOGENE PATENT CHARGES CO.  
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# ROBINSON'S ORIGINAL CONCENTRATED WATERS.

ESTABLISHED 1855.

When diluted in the proportion of one part to forty parts of water at 60° temperature, they faithfully represent the Medicated Waters of the British Pharmacopœia. They are always of uniform strength, and will keep good any length of time in any climate.

Aqua Amygd. Amar. Cono. (U.S.)	4/- per lb.	Aqua Cassia Cono.	4/- per lb.	Aqua Ment. Virid. Conc.	4/- per lb.
" Anethi, Concent.	4/- "	" Flor. Aurant...	8/6 "	" Pimentæ "	4/- "
" Anisi "	4/- "	" Sambuci Conc...	8/6 "	" Pulegii "	4/- "
" Camphoræ "	4/- "	" Fœnoulci Cono.	4/- "	" Rosmarini "	4/- "
" Carui "	4/- "	" Menth. Pip. Cono.	4/- "	" Rosæ "	8/6 "
" Cinnam. Ver. Cono.	8/- "	" Ang. Cono.	8/- "	" Virgin. "	10/6 "

The above may be had in ½-lb. or 1-lb. Bottles and upwards, through most of the Wholesale Drug Houses.

Each Bottle has the Inventor's Protection Label over the cork, without which none are genuine.

## SUPERIOR ORANGE WINE (Vin. Aurantii, B.P.)

Samples of any of the above sent free on application from

**R. ROBINSON**, Distiller and Brewer of British Wines, Church Street, **PENDLETON, MANCHESTER**

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*Specially prepared for the Home & Export Trades.*

**BOTTLING AGENTS AND THE TRADE SUPPLIED ON LIBERAL TERMS.**

### CYDER IN WOOD.

	Per Gall.
Imperial Cyder (Specially prepared)	1 9
Apple and Blossom Cyder	1 6
Champagne Cyder	1 4
Sweet Draught	1 3
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Superior Dry Draught	1 2
Symonia (Non-Alcoholic)	1 0
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Casks charged and allowed for if returned within two months, in good condition, to same address as sent from, and advised by post.

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Cyder, Perry, Symonia, and Sydrina are sent out in Cases containing 3-dozen Quarts, or 4-dozen Pints, and Casks of 14, 20, 30, 40, 60, and 116 Gallons.

Symonia and Sydrina in ½-pints, Cases of 6 dozen.

Sparkling Wines, 1 dozen Large, or 2 dozen Half-Bottles.

Prices include Bottles, but Cases are charged 1/6 per dozen extra, and allowed for if returned Carriage Paid, in good condition, within one month.

Carriage Paid to any Railway Station in England and Wales.

**TRADE DISCOUNTS ON  
APPLICATION.**



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Tofnes & DEVON.  
& Ratcliff, LONDON E.

### CYDER AND WINES IN BOTTLE.

Bottles Free, and Carriage Paid.  
Per Doz. Bottles s. d.

Imperial Cyder	10 0
(Extra Dry). Gold Foil.	
Apple and Blossom Cyder	7 6
(Sweet or Dry). Silver Foil.	
Champagne Cyder	6 6
(Medium Dry). Red Label.	
Symonia (Non-Alcoholic) ½-Pts.	3 0
Sydrina (Non-Alcoholic) do.	3 0
Imperial Perry	10 6
2/- extra per Two Dozen Half-Bottles.	

### "ROYAL EXCELSIOR" SPARKLING WINES.

Pale Dry Creaming	21 0
(Champagne Style).	
Devonshire Chablis	15 0
Devonshire Hock	15 0
Devonshire Moselle	24 0
(English Rhine Brand).	

3/- extra per Two Dozen Half-Bottles.

Symonia and Sydrina are the best Temperature Drinks of the day, and may be sold by Chemists.

Our Local Bottling Agents can often reduce prices in Bottle by importing in Wood, thus saving the extra Carriage, &c.

### Instructions for Storing, &c.

On receipt of the case of Cyder, unpack, and stand the bottles in an upright position in a cool cellar of from 50 to 55 degrees temperature, to settle down, and return empty cases to us; or, if wanted for immediate use, in a temperature of 60 degrees, when it will get into condition, and will come out an effervescent, delicious drink, healthful and invigorating without being heady. If a dry Cyder is required, keep twelve months or more in bottle. Wines must be laid down.

**FRUIT MILLS, TOTNES, DEVON, ENGLAND.**



# JEWSBURY & BROWN'S Aërated Waters.

## OUR BUSINESS POLICY.

"Next to the booths descend the men to bet  
 And deluge their insides with *heavy-net* ;  
 Some claim their winnings with a joyful face  
 And risk more chances on the coming race ;  
 Others *edge* off to clear their losing debts,  
 And curse the luck of all their former bets.  
 Then when the porter runs in strong full tide,  
 Cries such as these resound from side to side :—  
 ' Here ! waiter, waiter ! come, be quick as fire !  
 Bring us two quarts of Whitbread's stout entire '—  
 ' Three brandy bottoms ' ; ' Three of gin, too, here ' ;  
 ' A squib of rum in half a pint of beer !'  
 (Cider and brandy then were all the rage,  
 Unknown the bliss of this improving age ;  
 To thirsty souls the name be ever dear  
 Of JEWSBURY'S ' celebrated ginger beer,'  
 And let the need of cool-tongued praise be paid  
 To WHITLOW'S ' effervescing lemonade.' ) "

The above extract from "Gimcrackiana," a humorous book on "Manchester Men and Manners," published in 1833, is part of a description of Manchester Races in 1823. We think it is good evidence, being an "unsolicited testimonial," that our reputation as Manufacturers of Aërated Beverages is not of recent growth, and has not been acquired by the use of inflated advertisements offering supposed special advantages to certain classes of traders.

Our reputation to-day rests, as it has done in the past, upon sound commercial principles.

WE OFFER AT THE LOWEST REASONABLE PRICE THE BEST ARTICLE THAT IT IS POSSIBLE TO MAKE, AND ENSURE THAT OUR FRIENDS SHALL SECURE A FAIR LIVING PROFIT.

Exclusive dealing with certain classes on special terms begets in the retailer a false sense of security from competition, because it is becoming more and more impossible to restrict the sale of marketable commodities within any well-defined limits. Trading of this class is also harmful, because it is an inducement to the manufacturer to enhance his profit at the expense of the quality of his goods. Further, it is utterly repugnant to that instinct of fair play and desire for a free choice so characteristic of the English people.

**WE ARE CONTENT TO SELL OUR GOODS ON THEIR OWN MERITS.**

All we ask is that you will favour us with a trial order and compare our terms with those of other manufacturers.

BOTTLES, SYPHONS, & CASES ISSUED ON LOAN.

CARRIAGE PAID ON GOODS & EMPTIES WITHIN 150 MILES.

**MANUFACTORY : ARDWICK GREEN. MANCHESTER.**

# IDRIS ROYAL TABLE WATERS

*Are made by Chemists for Chemists.*

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## Chemists

should remember that Idris & Co. do *not* supply Grocers, Stores, or Private Customers.

## Idris & Co.

make their own Syphons, and guarantee absolute purity of all materials employed. Metallic contamination is an impossibility.

## Chemists

will find Idris Royal Table Waters a valuable leading line, which, unlike leading lines in general, bear a substantial profit—and attract customers.

## Idris & Co.

give their customers every assistance in increasing their sales, by means of handsome Advertisement Tablets, Circulars, and Samples to Medical Men.

## Chemists

not already selling these well-known Waters should apply for Samples and Price Lists.

## Idris & Co.

are the largest Syphon Fillers in the World.

## Chemists

are invited to inspect Idris & Co.'s Factories.

## Idris & Co.

have taken one of the largest spaces at the forthcoming Chemists' Exhibition, to be held at the Covent Garden Theatre in August next.

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## ***IDRIS & CO., LTD.***

CAMDEN TOWN, LONDON; & SOUTHAMPTON.



# THE CHEMISTS' ASSOCIATION LIMITED'S CAMWAL'S

## FINE RECORD OF

### STEADY & PROGRESSIVE GROWTH

achieved by supplying One Quality of Goods only—the Best;  
by studying and meeting the requirements of the Trade;  
and by carefully looking after minutiae and detail.

#### CAMWAL TABLE WATERS

*are supplied to Chemists*

*and Hospitals  
only.*



CAMWAL  
in 1878.  
ONE FACTORY.  
Membership  
119.



CAMWAL  
in 1880.  
TWO FACTORIES.  
Membership.  
430.



CAMWAL  
in 1884.  
THREE FACTORIES  
Membership,  
908.

#### HISTORY IN BRIEF OF CAMWAL

Gold Medal  
TABLE  
WATERS

**CAMWAL in 1897.**

**SIX FACTORIES**

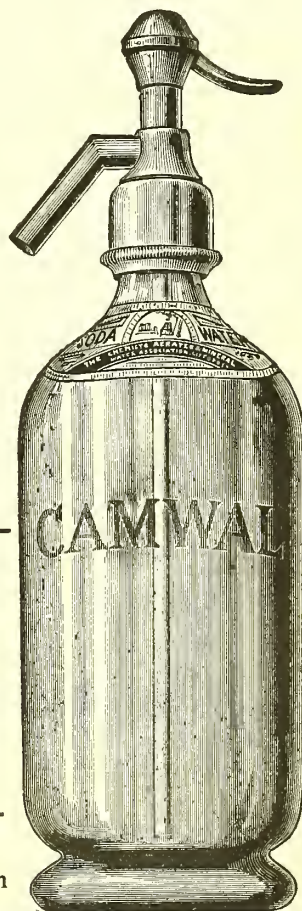
(including two in course of erection at Manchester & Birmingham).

**Membership over 4,000 !**

**CAMWAL'S FACTORIES**

London, Harrogate,  
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Head Office: Gifford Street, Caledonian Road, London, N.



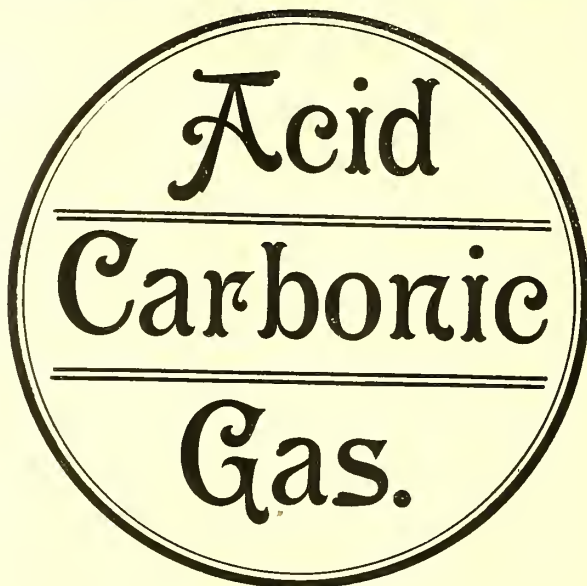
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**LONDON,  
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The Carbonic  
Acid Gas Co.

**PURE LIQUEFIED**



**MANCHESTER : Pollard St. East, Ancoats.**

# SYPHONS & SELTZOGENES



Messrs. J. BARRIE JOHNSTONE & CO., 20 Loftus St., Sydney, N.S.W.  
Agents for New South Wales, Queensland, and New Zealand.  
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Agents for Victoria, South and West Australia, and Tasmania.

**SODAWATER  
MACHINERY**  
AND APPLIANCES  
**BRATBY & HINCHLIFFE LTD**  
ANCOATS 146 MINORIES  
**MANCHESTER & LONDON**

81 ROBERTSON STREET, GLASGOW.

## PRICES.

**SYPHONS** — 1/6, 1/8, and 1/10 each.

## SELTZOGENES.

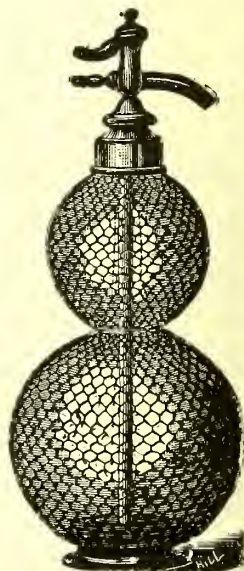
1	2	3	4	5	8 pint.
6/-	6/8	7/6	8/6	10/5	16/- each

Including two funnels and stopper for charging.

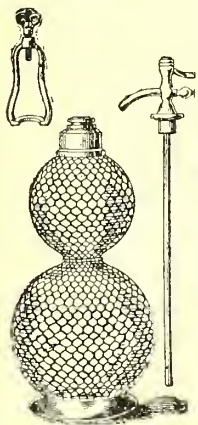
The tops of these Seltzogenes are made of pure block tin, guaranteed.

All our Seltzogenes are manufactured on the well-known "Fevre" System and each one is thoroughly tested before leaving the works.

American Agents.—For New York and East, WM. G. SMITH, 11 Duane St., New York.  
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ESTABLISHED HALF A CENTURY.  
PRIZE MEDALS AWARDED AT ALL THE EXHIBITIONS.

SUPPORT ENGLISH MANUFACTURE.

## EUGENE CÉRAUT & CO.'S LATEST NEW PATENT SELTZOGENE

The Best Seltzogene Extant & Warranted.

Wear and Working Guaranteed. No more  
Screwing required. Tap cannot get corroded.

### GREAT REDUCTION IN PRICE.

Patent Wire.	Cane.
3-Pint...11/-.....	12/-
5-Pint...14/9.....	15/9
8-Pint...22/6.....	25/-

Large Discounts allowed  
off for quantities.

**SELTZOGENES & SYPHONS.**

## SYPHONS.

Best English Block Tin Tops  
and Ebonite Fittings, from  
18/- per dozen.

HEADS of guaranteed quality.

VASES—Best Crystal and  
Colours.

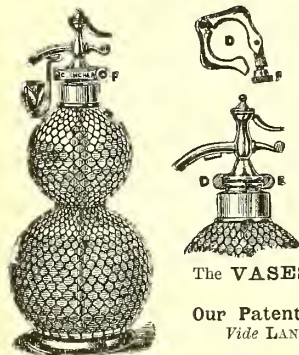
PRICES ON APPLICATION.

CONTRACTORS TO HER MAJESTY'S GOVERNMENT.

The Premier Manufacturers in the United Kingdom.

SOLE ADDRESS—

139 & 141 FARRINGDON RD., LONDON, E.C.



## OUR NEW PATENT CLINCHER

Does away with Corroded Screw, JAMMED TAP, BENT SPOUT, and  
substitutes A PERFECT and EASY WORKING SELTZOGENE. Every  
Chemist should see this Machine before ordering his Stock of

## SELTZOGENES.

EIGHT HIGHEST  
AWARDS FOR

## SYPHONS

OF ENGLISH  
MAKE.

The HEADS are of the PUREST Block TIN, Burnished, Nickelled, Silver-plated.  
The VASES are the strongest, of Finest Crystal or in Colours. Engraved with any design or lettering, in  
all sizes, from 18 to 50 oz.

Our Patent PORCELAIN-LINED SYPHON is the Ideal Syphon for a high-class trade.—  
*Vide LANCET and other Journals.*

Write for Prices and full particulars to



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A. MILLAR & CO., LTD., DUBLIN.

## PURE ORANGE WINE

(VINUM AURANTII, B.P.), prepared in strict accordance with the Formula of the British Pharmacopoeia.



A COMPLETE APPARATUS,  
CAPABLE OF PRODUCING  
OVER

300 DOZ. BOTTLES

of Aerated Water per day,  
at a minimum of cost,  
from

£20.

**SODA-WATER MACHINERY**  
AND ALL APPLIANCES FOR THE TRADE.  
NO DANGER. NO MESS.

Write for  
ILLUSTRATED  
CATALOGUE,  
Post Free upon Application.

**BARNETT & FOSTER**

NIAGARA WORKS,

26<sup>th</sup> EAGLE WHARF ROAD, LONDON, N.

9 Gold Medals. 44 Highest Awards.





# HALL'S COCA WINE

## WARNING.

The "BRITISH MEDICAL JOURNAL," February 6, 1897, in an article on "Coca Wine and its Dangers," says:—

"Originally Coca Wine was made from Coca Leaves, but it is now commonly a solution of the alkaloid in a sweet and usually strongly alcoholic wine."

HALL'S COCA WINE has always been prepared from Coca Leaves only, and has no addition of Cocaine. The basis is absolutely pure wine, equal in strength to good Burgundy. It can be safely recommended to the most delicate patient without fear of evil after-effects.

This testimony is endorsed by the "BRITISH MEDICAL JOURNAL," of February 6, 1892, which speaks as follows:—

"A preparation of Coca Leaf, bearing the name of 'Hall's Coca Wine, has been submitted to us. It appears to be carefully prepared, and contains a large proportion of the alkaloid. The preparation is not unpalatable. Coca is undoubtedly a *valuable stimulant and tonic*, and this preparation of it, which is made by Stephen Smith & Co., Bow, E., may be recommended as fulfilling these indications."

## Protected Profit.

Advertising matter upon application  
to the Proprietors,

**STEPHEN SMITH & CO.**  
**BOW, LONDON.**





# IRISH SUPPLEMENT TO THE CHEMIST AND DRUGGIST

No. 6.

SATURDAY, JUNE 5, 1897.

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## A NEW PHARMACOPŒIA.

It was announced at the meeting of the General Medical Council last week that the new British Pharmacopœia is practically complete, and it will, barring accidents, be published before the end of the present year, the Pharmacopœia Committee having promised to put copies of the work in the hands of the Councillors at the November meeting. It will be remembered that the method of revising the Pharmacopœia came in for some stringent remarks at the Pharmaceutical Society's House in Dublin on April 8, the complaint being made that Irish pharmacy is not represented in the committee. We are not astonished at the complaint; in fact, our surprise is that similar remarks were not made earlier. It has been pointed out in *THE CHEMIST AND DRUGGIST* on several occasions that Irish pharmacists have failed to assert themselves in this matter in order to have as full recognition as has been extended to the British Society. That, however, does not amount to much, and it may be useful to state the case plainly. The General Medical Council has the sole authority to revise the B.P., and the committee of its members which has been appointed to carry out the present revision consists of:—

Sir Richard Quain, Bart., M.D., President and Crown representative.

Sir Dyce Duckworth, M.D., representing the Royal College of Physicians of London.

Professor D. J. Leech, M.D., representing the Victoria University.

Dr. Lombe Atthill, representing the Royal College of Physicians of Ireland.

Mr. R. Brudenell Carter, representing the Apothecaries' Society of London.

Dr. J. Batty Tuke, representing the Royal College of Physicians of Edinburgh.

Professor Donald Macalister, M.D., representing the Cambridge University.

Dr. D. C. McVail, a Crown representative.

The Apothecaries' Hall of Ireland was represented on the committee by Mr. Charles Moore, and we presume that Professor Tichborne has now taken his place, so that there are at least three Irishmen on a committee of nine, who are directly assisted by Dr. Nestor Tirard as medical secretary, and Dr. John Attfield as pharmaceutical adviser.

The committee appointed by the Pharmaceutical Society of Great Britain is not in direct contact with the Medical Council's Committee, as Dr. Attfield acts as go-between, and the Pharmaceutical Committee has no votes at all. The committee consists of the President and Vice-President of the Society, Mr. M. Carteighe (London), Dr. Inglis Clark (Edinburgh), Mr. W. G. Cross (Shrewsbury), Mr. Charles Ekin (London), Mr. Joseph Ince (London), Mr. N. H. Martin (Newcastle-on-Tyne), Mr. Wm. Martindale (London), Mr. Charles Umney (London), and Professor H. G. Greenish (Secretary). The appointment of this committee was a compromise. The British Society was at one time strongly opposed to the revision of the Pharmacopœia being entirely in the hands of the Medical Council, and petitioned Parliament for direct representation, afterwards ignoring the requests of the Medical Council for assistance. Then the breach was healed by a diplomatic stroke, and the Medical Council now has the Pharmaceutical Committee working out the revised and new formulæ for it. When the negotiations for bringing about this condition were going on the Irish Pharmaceutical Society should have claimed a place on the committee, and there is no doubt that it would have been given. We do not think that there is the slightest ground for supposing that the claims of Irish pharmacy have been wilfully ignored—it is simply a case of "out of sight out of mind"; but we trust that the Irish Pharmaceutical Council will see to it that they are not left out in the cold again. Nor should the fact be overlooked that that Council, in common with all representative medical and pharmaceutical bodies, would receive a request from the Medical Council for assistance, and no doubt such a request was received a few years since; but our impression is that the Council keep a stiff back in regard to the rights of the pharmacist to equal power with the medical practitioner in Pharmacopœia revision. Of course the present Pharmaceutical Committee is worked at the expense of the P.S.G.P.; the Medical Council pays it nothing; and the Irish Society must be prepared to do like the British Society.



## Society Matters.

### THE PHARMACEUTICAL SOCIETY

THE Council meeting on May 5 was a small one, and the business was largely of a routine character. Besides the limited company question, which is referred to elsewhere, the Council had before it the following subjects:—Verbal report by the President upon an interview with the Apothecaries' Hall authorities as to the necessity of L. A. H.'s having extended shop experience.

Consideration of a letter from Dublin Castle regarding the abatement of a fine imposed upon the Ennisworthy Co-operative Agricultural Society (Limited) for selling poisons. The Council proposed to remonstrate. In the course of the discussion, it was mentioned that co-operative societies may sell poisons to their own members.

The circular letter drafted by Mr. Conyngham appealing for support to the Society was submitted and criticised. It is proposed to signalise the sixtieth year of the Queen's reign by starting an Irish Pharmaceutical Benevolent Fund.

### CHEMISTS' AND DRUGGISTS' SOCIETY OF IRELAND.

At the April meeting of the committee of the North Branch, Mr. John Watson (Vice-President) in the chair, two druggists wrote complaining, one that grocers sold poisonous patent medicines, the other that he had been summoned for selling poison—he has not yet been able to qualify after succeeding to an old-established drug-business. Both complainants were judiciously handled; after which the committee agreed to join with the Ulster Pharmaceutical Association to promote a meeting of the British Pharmaceutical Conference in Belfast in 1898. Since then the representatives of both bodies have met and arranged for a public meeting, which was held at Garfield Chambers, Belfast, on Thursday, May 27.

### PHARMACEUTICAL CHEMISTS' AND APOTHECARIES' ASSISTANTS' ASSOCIATION OF IRELAND.

This may be the last time that we shall have to write this long title, for the Association is to decide in general meeting whether "Junior Pharmaceutical Association," "Irish Pharmaceutical Association," or "Dublin Association of Pharmacists" should be adopted instead. Why not "Dublin Pharmacy Association"? The membership is chiefly, if not entirely, confined to co. Dublin; it is an association of those connected with Dublin pharmacy, and the title is comprehensive without being pretentious or conflicting with older interests. The Association wound up a very successful session with a good supper at the Wicklow Hotel, Dublin, on May 11. A report of the speeches appeared in the *C. & D.* of May 22, and we shall merely state here that Mr. William McCarthy, L.P.S.I., presided, and there were present as guests Mr. W. F. Wells, Mr. Beggs, Dr. Walsh, Messrs. J. Smith, P. Kelly, Jameson Johnston, M.B., B.Sc., W. U. Smith, and J. C. McWalter. For "The Medical Profession," given from the chair, Dr. Johnston replied, stating that he was an old pharmacist, and adding that the medical profession owed a debt of gratitude to the pharmaceutical licentiates, who, like charity, covered a multitude of their sins. He complimented the Association on its work. Dr. Walsh also replied. "The Pharmaceutical Society of Ireland" was given by Mr. W. J. Hardy, and Mr. Wells, Mr. Beggs, and Mr. Kelly responded. Mr. Wells proposed "The Association, its President, and Vice-President," in complimentary terms, and the Chairman, in responding, said a great deal of their success was due to the kindness of the Pharmaceutical Council and the medical profession. We have to thank Mr. W. U. Smith for a pretty compliment. In proposing "The Trade Press," he said THE CHEMIST AND DRUGGIST and its Irish Supplement were appreciated to the full by every pharmacist in Ireland.

## Business and Personal.

Mr. Ardis, registered druggist, has opened a drug-store at Newtown, Hamilton.

Mr. Gibson, L.P.S.I., has opened a pharmacy in College Square North, Belfast.

Mr. W. R. S. Gilbert, L.P.S.I., was married to Miss Jane Rebecca Moran at Westport, co. Mayo, on April 21.

Messrs. J. Brown & Co., North Street, Belfast, have now got possession of their handsome new building there.

Mr. A. C. McBride, M.P.S.I., Armagh, has been elected a Commissioner of the City in the Conservative interest.

Mr. James Michie, L.P.S.I., of Blackrock, co. Dublin, was married to Miss Sara Elizabeth Wardell at Dublin on April 29.

Mr. Shannon, registered druggist, formerly with Mr. R. Spence, Castelblany, has started business for himself at Rathfriland.

Messrs. Kennedy & Morrison have purchased the chemical-manufacturing business of Mr. Andrew Kinkead, who remains with them as manager.

Mr. Andrew McNaught, pharmaceutical chemist, Belfast, has secured an attractive corner shop at Bridge End, to which he has removed his pharmacy.

Messrs. H. Williams & Co. (Limited), grocers, Dublin, have opened a compounding-department at their Lower Baggot Street Branch, under the management of Mr. M. F. Fitzpatrick, L.P.S.I.

Mr. T. R. Lester, L.A.H. and M.P.S.I., Cork, has opened his new branch pharmacy at the Hibernia Buildings, King Street. The new premises are elaborately fitted up, and are lighted by electricity.

Mr. Charles Evans, 49 Dawson Street, Dublin, has resigned his seat on the Pharmaceutical Council and the membership of the Society, but the Council are asking him to reconsider the matter.

Mr. William Francis Moore, of the firm of Hugh Moore & Co., wholesale druggists, Dublin, gave evidence on April 30 before the Petroleum Committee. He stated that the amount of petroleum oil received in Dublin last year was 122,500 barrels, of which 112,393 barrels were American.

Messrs Samuel Gibson & Co. (Limited), Belfast, are concentrating the business which they recently purchased at 13 Donegal Street (Kinkead's) and 31 York Street (Campbell's) into new and more central premises in York Street, Belfast.

Mr. J. C. McWalter, Dublin, who has led off the criticism of pharmaceutical councillors in regard to company-pharmacy, has completed his examinations for L.A.H. and M.R.C.S.I., and, according to custom, we may henceforth speak of him as Dr. McWalter.

Mr. John T. Bernard was not in his place at the Pharmaceutical Council table on May 5, for the very good reason that on that day he was united in marriage to Miss Jennie Elizabeth Cox, of Sutton, Lincs. The Rev. Canon Lewis performed the ceremony at St. Ann's Church, London.

Sir James Haslett, M.P., created an excellent impression in the House on Wednesday, May 12, by his speech on the Irish Sunday-closing Bill. He was not ashamed of saying that he was a druggist, and a hardworking one too. His speech brimmed over with good humour and good points.

Mr. J. Hogan, an assistant in Graham's State Pharmacy, Dublin, is likely to get a medal *before* the Pharmaceutical Council are able to confer theirs. He was undressing for a swim at Sandycove on Sunday, May 23, when he noticed a man (the Rev. Mr. Lynch) sinking. Mr. Hogan plunged half-dressed to the rescue, reached the spot where the man had sunk, dived, got him on his back, and swam with his unconscious burden to the shore, where he assisted to restore animation with success. The cheers of the crowd have been supplemented by a request for the Royal Humane Society's recognition of his gallant effort.

Mr. Robert E. McDowell, apothecary and chemist, Grafton Street, Dublin, died in the City of Dublin Hospital, on May 7, from an overdose of morphine, which he was in the habit of taking. The circumstances of the death were exceedingly pathetic. Mrs. McDowell is blind, and she left the bedroom where her husband was dressing. Returning a quarter of an hour later, and not hearing him move, she began to grope about, and finally found him lying on the bed unconscious, the morphine having paralysed the muscles of his heart. Mr. McDowell's shop had been put up for sale by auction a few days earlier.



## The Irish Drug-contract System.

THE March issue of this supplement is likely to be historic, for the weighty article printed in it calling for a reform of the system under which drugs are supplied to Poor-law Unions has begun to tell, and some Guardians feel the necessity of doing something to put their houses in order. For the continuance of this spirit much depends upon the Irish drug-trade itself and all lovers of fair and square dealing. As yet the Local Government Board has shown no sign that an agitation has commenced; but Government departments are notoriously stolid, and it is only through public opinion that they can be influenced. Dr. A. Hamilton Jacobs, of Dublin, ex-President of the Irish Medical Association, referring to this in

### A Letter to the "C. & D.,"

May 8, says:—

For thirty years every commissioner of the Local Government Board, every one of its inspectors, every clerk of Union, every pharmaceutical trader, and the great majority of the Guardians and the doctors have been fully aware of the prevalence of this dishonesty. Fortunes have been made, suburban estates purchased, and villas maintained in magnificence upon the profits—for all of which the Irish ratepayers have paid; and yet the Local Government Board would not stir a hair's breadth to stop the roguery. They did, indeed, seek to make use of the outcry against the system to effect a monster personal job, to provide with a lucrative post an effete apothecary (who had influence behind him), and to make him "Apothecary-General" of a big central drug-store, from which all Union supplies were to be drawn, the drug-raders being entirely ousted. When defeated in this scheme the Local Government Board took umbrage, and from that day to this refused to stir a finger to protect the Irish ratepayers or the sick poor against the system now in working.

### This is a Severe Indictment;

one which really interests the ratepayers more than the drug-trade, and it is for members of the latter who ask for fair play to influence the former. Dr. Jacobs urges the need for reform, which will comprise—

(a) A central drug-expert, not a pure chemist, to examine samples brought to him by his travelling inspectors, and to look after the tenders, so as to ensure that the prices charged are not excessive.

(b) Say four peripatetic inspectors, one for each province, who would call in unexpectedly at workhouses and dispensaries, see whether the medicines were properly cared for and provided in proper quantity, and take sealed samples for submission to the central drug-inspector.

(c) Power to the Local Government Board, upon report of their drug-inspector, to order prosecution of a contractor by the Guardians for breach of contract in supplying inferior drugs; and also power to direct that a contractor found guilty of such breach should be debarred from future contracts.

Dr. Jacobs reckons that this threefold scheme should cost not more than 1,500*l.* a year. A correspondent ("Physician and Surgeon") following up this letter confirms, from personal experience, all that Dr. Jacobs has said regarding the poor quality of medicines supplied to some of the dispensaries, and as he has done temporary duty for medical officers his experience is "extensive and peculiar." He actually supplied dispensary patients with medicines at his own expense rather than risk the lives of the patients and his own reputation by using the dispensary drugs. Dr. Jacobs speaks of fortunes being made out of the system, and "Physician and Surgeon" gives

### A Curious Instance.

"A Union clerk, with no source of income whatever except salary and emoluments amounting to about 110*l.* per annum, not only spent more than double this amount every year, but at his death left an estate worth upwards of 4,000*l.*; the other, also a clerk, had rather a larger salary, but after supporting a large family and giving some of them professions, left at his death a very valuable estate. How long are these things to continue?"

### Not Long,

if every Board is like that of the South Dublin Union, at a recent meeting (April 29) of which Captain Boyd, a Guardian,

criticised the medicine-tenders at some length. He said that his eyes had been opened by reading an account of the drug-contract system in a recent issue of a London trade journal, called THE CHEMIST AND DRUGGIST, which in his opinion was a most valuable publication, and one which he thought might be read with advantage by Boards of Guardians in general. Mr. Byrne: I know the paper well; I often read it. Captain Boyd said he was glad to find that he was not the only one on the Board who knew about the paper, and he hoped the Guardians would bear in mind the substance of its articles dealing with drug-contracts when deciding their own contract.

### We must go back a Month

to get at the bottom of these striking remarks. At the March meeting of the Board the following tenders for medicines were received:—

Messrs. Thacker & Hoffe, Dublin, 753*l.*

Messrs. Clarke & Co., Belfast, 912*l.*

Messrs. P. A. Leslie & Co., Dublin, 938*l.*

Messrs. Boileau & Boyd, Dublin, 946*l.*

Captain Boyd pointed out in March certain irregularities in Messrs. Clarke & Co.'s tender, and the committee postponed the selection. Mr. Byrne pointed to certain clerical errors in Messrs. Thacker & Hoffe's tender, and seconded Captain Boyd's motion that Messrs. Clarke should be excluded because they were not Dublin ratepayers, and Messrs. Thacker & Hoffe on account of errors in the tender. Mr. Mooney moved as an amendment that Messrs. Thacker & Hoffe's tender be accepted, and this was carried by 17 votes to 10.

### The Mullingar Union

is becoming positively notorious by the way in which it deals with its drug-contracts, for a question has been asked in Parliament about it during the past month, and that is not the first time that Mr. Gerald Balfour has been Mullingaring. In January last he had to explain to Mr. Tully why the Local Government Board had disapproved of the drug-contract being given to Mrs. English. Since then the Guardians have given the contract to Mrs. English again, so on May 21 Mr. Tully questioned Mr. Balfour once more, when he replied:—

The Guardians had this year given the contract to the same contractor. The tender was not shown to be higher, and upon a comparison of the prices of the drugs most in use, it appeared that three tenders were higher and five lower than the accepted tender. The Guardians were not bound to accept the lowest or any tender, and the Local Government Board did not see their way to interfere.

Mr. Balfour is probably not so well informed on this matter as he is about light railways and things of that kind, for we notice a discussion at the Mullingar Union in the previous week, when Mr. King, having elicited the fact that the Local Government Board has not sanctioned the contract with Mrs. English, protested against the robbery of the rates in not accepting the lowest tender. Mr. Scally, in reply, said the committee had examined the tenders, and had taken out fifty articles and compared the prices. They found contractors charging 1*s.* or less for articles which would cost 10*s.* or 12*s.*, and, he asked,

### Were They to Accept such Tenders?

There was an acrimonious discussion, a written protest by Mr. King, and that question by Mr. Tully in Parliament. But we like Mr. Scally's interrogation; it goes to the root of the matter. The Kilmacthomas Board appears to appreciate it, for at a recent meeting the Clerk reported that he had gone through the medicine-tenders and compared the prices of no fewer than 342 items, and found the prices of the several firms to be:—Apothecaries' Hall, 19*l.* 19*s.*; Halls, Dungarvan, 14*l.*; Clarke, Belfast, 11*l.* 19*s.* 4*d.*; Harrington & Co., Cork, 18*l.* 1*s.* 6*d.*; O'Ryan, Tipperary, 16*l.* 5*s.* 11*d.*; and Leslie & Co., Dublin, 11*l.* 10*s.* 8*d.* The Chairman said that Messrs. Leslie & Co. were their old contractors, and had given invariable satisfaction. They got the contract.

### Mr. White, of Sligo,

has hurt the susceptibilities of one of the Dromore Guardians who at a meeting about the beginning of the month insisted



that Mr. White's tender for medicines should not be considered until he had apologised for something he had said. The Board was not so sentimental, and got to business by appointing a committee of three and the doctor to examine the tenders. They reported that the lowest were Messrs. White's and Boyers'; but a member of the committee contended that these tenders were not the lowest, for if a certain high-priced and seldom-used drug in Adamson's list were eliminated, the prices of the others would, on the whole, be less than White's or Boyers'. The Chairman, however, ruled that the majority of the committee be upheld, and gave the contract to Messrs. White and Boyers. Again, at a meeting of the Tobercurry Guardians held on May 17, Mr. White's name came on the scene, the Clerk reporting that the medical officer had ordered some lamellæ from him, the cost of which was about 10*d.*, but that Mr. White had charged 5*s.* 6*d.* for them. The doctor also objected to the kind of lamellæ sent. It was stated that the doctor's report would go to the Local Government Board.

#### The Last Item

which we include in this section this month must be about some perfume which the Local Government Board objected to being supplied to the Guardians of the New Ross Union for medical use. The Chairman seems to be a resourceful man, for his reply to the objection was that "perfume is often very necessary as a disinfectant"! We allow the mark of exclamation to express our feelings.

### Irish Company Pharmacy.

ON the opposite page we give pictures of the shops and portraits of the principals of the business Hayes, Conyngham & Robinson (Limited), Dublin, which were unavoidably excluded from last month's supplement. Much of the subjoined information was then in type, and we print it as a contribution to Irish pharmaceutical history, for it is probable that the incidents referred to may have a permanent influence upon Irish pharmacy.

\* \* \* \*

The Businesses acquired by Hayes, Conyngham & Robinson (Limited) are the following:—

1. William Hayes & Co.'s retail pharmacy, 12 Grafton Street, Dublin.
2. William Hayes & Co.'s branch, Marshall's Pharmacy, 9 Duggan Place, Rathmines.
3. William Hayes & Co.'s branch, McAdam's Medical Hall, Kingstown.
4. William Hayes & Co.'s branch, 14 Main Street, Blackrock.
5. H. Conyngham & Co.'s business, 30*b* and 32 Upper Baggot Street, Dublin.
6. Thomas W. Robinson's retail pharmacy, 112 Upper George's Street, Kingstown.
7. Thomas W. Robinson's branch, 66 Upper George's Street, Kingstown.

Since the company was formed it has been decided to reopen the pharmacy at Elgin House, Balls Bridge, and to open a branch at Fairview, Clontarf.

\* \* \* \*

The Value of the Business is put at the undermentioned figures:—

	£
Business premises ... ..	14,423
Stock-in-trade ... ..	10,079
Guaranteed book-debts ... ..	8,830
	<hr/>
	£33,332

It will be seen that no goodwill is put down either in respect to the retail businesses, which must make a good figure, considering that 100,000 prescriptions are dispensed in them every year, nor for Messrs. Hayes's wholesale department, nor for Conyngham's coca-wine and other specialities, so that the venture is not over-capitalised, and there is good security for the 30,000*l.* mortgage debentures. The management of the company will remain in the hands of the principals, Mr. Hayes being chairman for five years,

and Messrs. Conyngham and Robinson directors for a similar period.

\* \* \* \*

A few Particulars about the origin of the businesses and the men at the head of them will not be out of place. That of William Hayes & Co., in Grafton Street, was established by Mr. Hayes in 1864, and has been carried on under his own superintendence ever since. In 1875, when the Pharmacy Act of Ireland came into force, Mr. Hayes was one of the members of Council of the Pharmaceutical Society named in the Bill. He had been the honorary secretary of the Chemist and Druggist Society, which had for its chief object the passing of the Act, and with him were associated, as President and Vice-President, Mr. E. M. Hodgson and Professor Tichborne. About two years ago Mr. Hayes's Grafton Street shop was remodelled and refitted, the arrangements for compounding and retail being completely modernised. Mr. Hayes is a son-in-law of Mr. C. J. Hewlett, the veteran wholesale druggist. He was Mr. Wells's predecessor in the presidential chair of the Pharmaceutical Society of Ireland.

\* \* \* \*

Messrs. H. Conyngham & Co.'s business was opened in 1863 by Messrs. Hesey & Co. as a high-class apothecary's and chemist's. From the first Hesey & Co. catered for the confidence of the medical profession, and quickly absorbed the compounding connection of two other pharmacies in the district. For the past twenty-one years the business has been under the personal management of Mr. H. Conyngham, and it is now one of the first in the country. About seven years ago Mr. Conyngham secured the site of the premises 30*b* and 32 Upper Baggot Street, and erected thereon the splendid five-storeyed brick building, which our engraving but faintly reproduces. Mr. Conyngham is a member of the Pharmaceutical Council.

\* \* \* \*

Mr. Thomas W. Robinson, the third of the triumvirate, is one of the Pharmaceutical Society's examiners, and he, about seven years since, became the owner of the business carried on at 112 Upper George's Street, Kingstown, which was established about fifty years ago, and has so largely increased the turnover that it is now one of the most important suburban businesses in Dublin. He has also established a successful branch near Sandycove.

\* \* \* \*

Will the Company Cut?—This question is suggested by a passage in a circular issued by Mr. Hayes, wherein he says: "The new company will be the most extensive retailers in this country of drugs and patent and proprietary medicines, &c.; and in each of our nine establishments it is proposed to afford our customers the full advantage of a considerably extended trade." The words in italics (the italics being ours) have suggested the query.

\* \* \* \*

"Shamefully Betrayed their Trust" were the words used by Mr. J. C. McWalter, of Dublin, in a letter which he wrote to THE CHEMIST AND DRUGGIST of April 17, regarding the action of Mr. Hayes and his colleagues in converting their businesses. "So far from endeavouring to suppress, limit, circumscribe, and subvert company pharmacy in Ireland, they encourage, amplify, and animate it by turning their own businesses into a limited company," continued Mr. McWalter. "There are in Ireland a number of unqualified assistants who have been refused admittance to the examination on the plea that they had served their time to limited companies, although these companies had privileges as being in business before the Act of 1875. And now the gentleman under whose presidency those men were refused leave to qualify for a decent livelihood has the amazing coolness to turn his own business into a limited company, one of the articles of whose association is to take apprentices!"

\* \* \* \*

An Interesting Point was then raised by Mr. McWalter—viz., Is a debenture-holder a proprietor? He argued that he is, and states that the Courts have already decided to that effect in a theatrical case. "Now if the nine branches of the company should take apprentices, and if the Pharmaceutical Society should refuse to accept the certificates of those apprentices, it appears to me" (Mr. McWalter continued) "that





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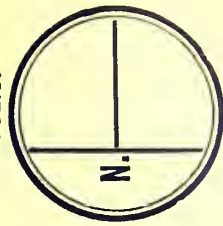
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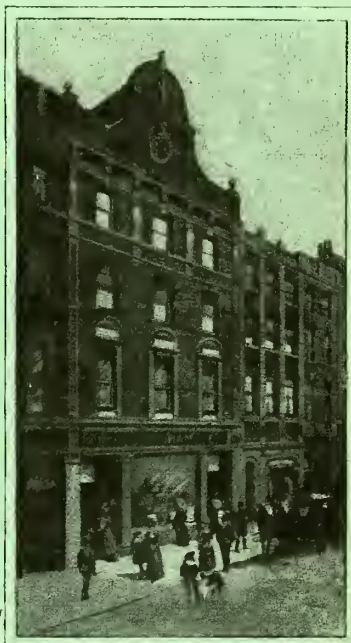
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the company would lay itself open to such a crop of actions as would possibly put the debenture-holders in a position to assert their proprietary rights. The plea raised is most ingenious; in fact, the whole floating of the company reflects so much credit on the financial abilities of the directors that one is apt to forget their attitude towards those who placed them in positions of honour in the Society, and who enabled them to utilise those positions for their own ends." Mr. McWalter called upon the Chemists' Assistants' Association to do something to bring about the resignation by Messrs. Hayes and Conyngham of their seats in the Pharmaceutical Council should a majority of the members of the Society support that proposal.

\* \* \* \*

Mr. Hayes's Reply came in our issue of April 24, and we select and subjoin the salient points of his letter. "I am perfectly satisfied that we have done what is right to ourselves, without doing wrong to any other person either in our business or out of it. . . . If Mr. McWalter had taken the trouble he should have found that I never deviated from my convictions that it was a scandal and absurdity that bogus companies (limited) (incorporated under the Companies Act for the acknowledged purpose of evading the Pharmacy Acts) should be permitted to do what no individual in such company would be permitted to do. But, on the other hand, I always consistently advocated that a *bona-fide* pharmaceutical chemist should have it in his power to form his business into a limited company with a board of directors—qualified men. Almost my last act as President of the Council was to formulate for the Conference on Company Law Amendment a clause for its adoption, viz.:-

Nevertheless it shall be unlawful for any number of persons to form a company or corporation under Limited Companies' Acts, to engage in any business or profession which as individuals it would be unlawful for them to engage in. Notwithstanding, it shall be lawful for any duly qualified person or company of duly qualified persons, who are in business and carrying on such business lawfully under Act of Parliament, to put his or their business under the Limited Liabilities Companies Acts, provided always that such member of the directorate and the managers of each limited company be duly qualified to carry on such business for himself individually, and that such limited company shall retain all the privileges that the qualified person or persons possessed before putting the business under the Companies Acts.

And this recommendation was sanctioned and adopted by our Council, with the substitution of the word 'company' for 'directorate'—as per resolution of Council on December 4, 1895."

\* \* \* \*

Mr. McWalter and others contributed further to the discussion in two subsequent issues of THE CHEMIST AND DRUGGIST, but the focussing of the matter came at the meeting of the Pharmaceutical Council at Dublin on May 5, when a letter from Mr. McWalter was read, in which he put three questions for reply. These, with abstracts of the President's replies (in italics) are subjoined:—

1. Whether your Council accepts the certificates of persons who have served the required four years in the service of limited liability companies, where the debenture shareholders of such companies are unqualified persons?—*The Council has never knowingly accepted a certificate from a limited company.*

2. Whether an unqualified person in the service of such a company may compound, dispense, or sell a medical prescription?—*He can not.*

3. Whether the name and address of every person who, being in the service of a limited liability company, dispenses, compounds, or sells a poison or prescription, must not appear on each such article?—*There is no legal decision on the point, but the President was inclined to think that the name of the actual seller should be on the label.*

It was agreed to remit the questions to the Law Committee, in order that the opinion of the solicitor and, if need be, of counsel might be obtained on them.

\* \* \* \*

Following this resolution came a disclaimer from the President regarding Mr. Hayes's clause above mentioned, which, said the President, "the Council never approved of.

On the contrary, they disapproved of it, and were quite dissatisfied with him; and several members of the Council—himself (Mr. Wells) amongst the number—thought that Mr. Hayes had, by his action, completely sold the Society." After some corroborative remarks from the Vice-President the matter dropped, Mr. Hayes not being present at the meeting, and Mr. Conyngham offering no remarks. There it rests for the present.

## Trade Notes.

Mr. Mark Smith, of Louth, calls attention in this issue to his weed-killer, which he offers on exceptionally good terms to Irish buyers.

Surely that is an Irish terrier that Spratt's Patent (Limited) use in their dog-cake advertisement. We like the way the company get up their advertisements, and, of course, dogs are very fond of their Spratt's biscuit. We had a quarrel with a druggist's dog the other night, who objected to our entering his master's sanctum while he (the canine) was interviewing Spratt.

One of the Novelties described in the *C. & D.* during the past month was a Jubilee soap which Messrs. D. & W. Gibbs, of London, have introduced. It differs in appearance from any Jubilee soaps which have been brought forward, and is a delightful soap to use, as well as a pretty one to sell. Irish pharmacists and druggists will see particulars about the soap in the firm's advertisement.

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In connection with the photographic notes which are now appearing in THE CHEMIST AND DRUGGIST, we would call attention to the fact that the names of chemists who keep dark-rooms and stock photographic goods are printed on our pages. The object of this is to enable chemists in one part of the country where they may get their cameras replenished. As year by year Ireland is becoming more frequented by tourists, it will be to the advantage of members of the drug-trade there who deal in photographic goods to make the fact known to their *confrères* in Great Britain through the pages of the *C. & D.* No charge is made for inserting a line giving the chemist's name and address.



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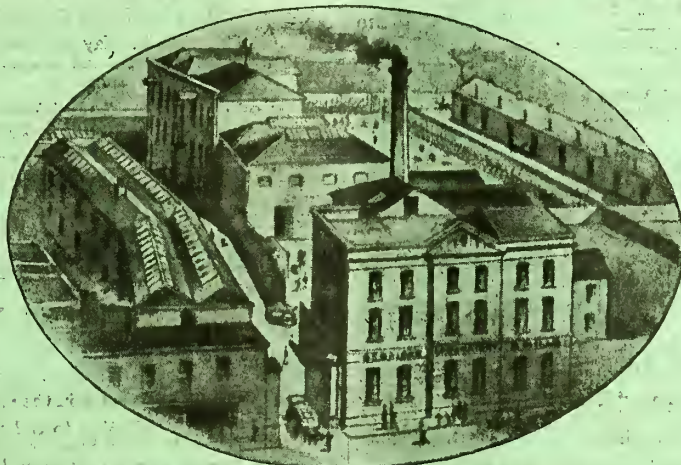
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## THE CHEMIST AND DRUGGIST.

The Issues for May, and the Good Things that were in them.

**WE** published five numbers in May, including a Canadian and American number containing 212 pages published on May 22. The subjoined paragraphs deal with a few of the leading items only, little of the news being summarised:—

**American Dentists** are liked by Royal families. A correspondent mentions several cases in which they were called in.

**Apothecaries Act.**—A Sheffield pharmaceutical chemist fined for visiting the sick and supplying medicine.

**Baldness and Dandruff.**—Note on the microbe which has been discovered to be the cause thereof.

**Bankruptcy Act.**—Manchester merchant charged with offences under.

**Bottles (Glass).**—The kind supplied to our colonial customers by continental makers exhibited in London.

**Books Reviewed.**—Fernie's "Herbal Simples"; "Helfenberger Annalen"; "Optician's Handbook"; Tyson's "Practice of Medicine"; "White Slaves of England."

**Booking-fees on Parcels.**—Various notes on.

**British Pharmacopœia.**—Statement by Sir Richard Quain as to its publication before the end of the year.

**Canadian Tariff.**—Articles showing how the new tariff will benefit British trade, and full particulars (with diagram) of the chemical and drug business of Canada.

**Chemical Society.**—Three scientific meetings, at which a dozen or more important subjects were discussed, are reported in popular style.

**Chemists' Associations.**—Reports of all meetings held during the month, including new societies at Dundee, Leicester, and Oxford.

**Combination.**—Mr. T. M. Clague, of Newcastle, discusses the advantages to be derived by chemists from combining.

**Company News.**—Registration of more than twenty companies connected with the drug-trade, including A. J. White (Seigel's Syrup), B. F. Moise, Frazer & Green, Schweppe's, &c.; and reports of Liebig's Extract of Meat Company, Kempthorne, Prosser & Co., Colombo Apothecaries' Company, Brunner, Mond & Co., &c.

**Condensed Milk.**—Curious adulteration of.

**Cookery Exhibition.**—Pharmacy being a glorified form of cookery, we report on the best exhibits.

**Cutting** is felt in France as with us. Two meetings of pharmacists were held in Paris, at which it was resolved to approach speciality-makers.

**Dispensing Notes** are exceptionally interesting. In addition to those discussed in our correspondence columns we print a further report on the dispensing difficulties competition and a series of useful notes by Mr. Harold Wyatt, jun., Ph.C., of Liverpool.

**Feeding-bottles.**—How they should be cleaned.

**Fluid Extracts.**—Mr. George Roe states that commercial samples are unequal, and Mr. T. Christie corroborates.

**Formulae** for acidulated glycerine for coughs, dry battery charge, beauty blanche, black boot-polish, boot-finishing dressing, coca-wine (non-excisable), liquid cochineal, developers (hydroquinone and standard), dubbing, essence of lemon, furniture cream and paste, liquid gold, gout-powders, hop-ale, hop-beer essence, inks (blue-black, copying, glass-etching, and powder), Jubilee specialities (bouquet, brilliantine, dentifrice, pomade, sauce, seltzogene), lime-cream, liq. ferri-albuminati, mushrooms (preserving), mist. einchon. eo., mothol, myrrhodol tooth-wash Nurse Gray's cancer-cure, oil of petre, perspirol foot-powder

pick-me-up, poultry-spice, polishing-cream, salol dentifrice, shampoo-fluid, skin-tonic, sweet Mitcham breezes (perfume), toning and fixing bath, weed-killer, worm-syrup.

**German Spirit Drawback.**—Particulars of new schedule.

**Greek Wounded.**—The drugs and dressings sent to them.

**Mr. Henry Hodder, of Bristol,** was the first to start company pharmacy in England. Obituary notice and portrait.

**Homœopathic Medicines.**—Statement of conditions under which they are exempt from medicine-stamp duty.

**Hot Soda.**—The popular winter drinks of Americans; how they are made.

**Iodine.**—Special article on the market position.

**Irish Drug-contract System.**—Letters and reports supporting the C. & D. contention that reform is needed.

**Kew Gardens.**—Names of medicinal plants in flower there.

**Legal Reports** in May deal with several interesting points under the Sale of Food and Drugs Act and in respect to trade-titles.

**Lay of the High-class Pharmacist** who converted his business into a limited-liability company.

**Liebig's Extract and Bovril.**—Court decision against the Bovril Company in Belgium.

**Liquor Potassæ.**—Mr. W. G. Stratton communicates a paper showing that there is lead in nearly half the commercial samples.

**Medical Notes** on dyspepsia, epistaxis, and other common complaints.

**Milk-analysis.**—Discrepancy between Somerset House chemists' and public analysts' results. Full reports of proceedings.

**Natal.**—Illustrated interview with Mr. G. A. Champion, of Durban, regarding pharmacy in the Garden colony.

**Novelties.**—In addition to a large number of trade-notes, special illustrated descriptions are given of adeps mourine, Diamond Jubilee bouquet, "Glebe" sugar, Moise's perfumery, Our Queen's bouquet and soap, petroleum emulsion, Richardson's chemicals, and "X crystals" or liver and kidney salt.

**Oil of Lemon.**—Letters on the characteristics of.

**Origin of Medicines.**—Comments on a queer article in the *Pall Mall Gazette*.

**Parliament.**—Weekly reports by our representative at Westminster of all the proceedings in Parliament interesting to the drug-trade.

**P.A.T.A.**—Reports on this Association's work, including the addition of Dr. Collis Browne's chlorodyne to the protected list.

**Pharmacy.**—Arrangement and storage of goods in, by Mr. J. C. Hyslop.

**Pharmacy Act (G. B.).**—More actions in the West of Scotland.

**Pharmaceutical By-laws.**—Reports of meetings, letters, &c., on the new by-laws of the British Society, including cartoons and rhymes.

**Pictures in the Salon** of interest to chemists described by our Paris correspondent.

**Poisoning** in England and Wales in 1895, with diagram showing how carbolic-acid poisoning has mounted up to top place.

**Pharmaceutical Societies of Great Britain and Ireland.**—Reports of Council meetings. Also report of the annual meeting of the British Society Benevolent Fund dinner, and list of donations, illustrated with sketches of some of the principal speakers.

**Photographic Notes.**—Several sets specially written to encourage chemists' trade. Charges for developing and printing are specified.

**Science Notes** of a crisp character on active principles of asafoetida, belladonna alkaloids, histology of drugs, igasuric acid, milk-constants, pollen as a means of recognising powders, pseudaconitine, origin of quassia, progress of radiography and x-ray work, the constituents of wool-fat which absorb water.

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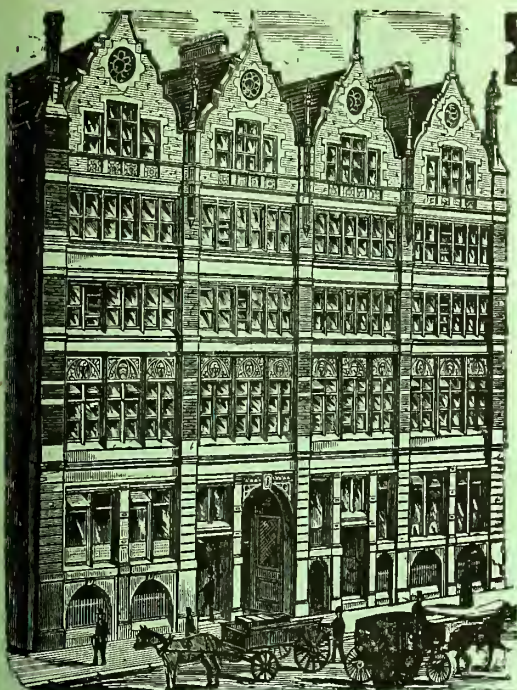
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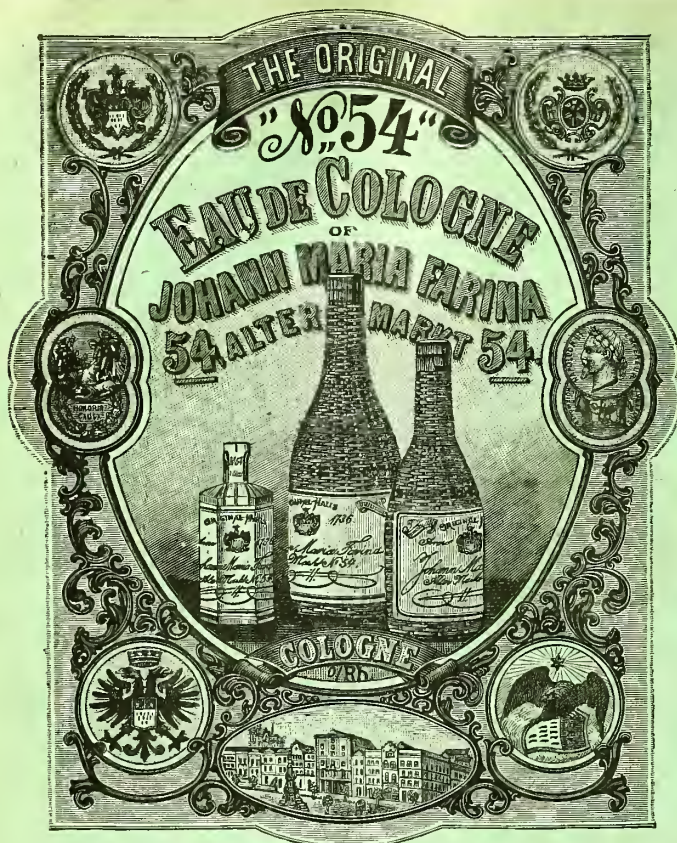
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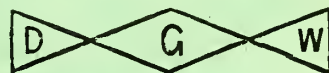
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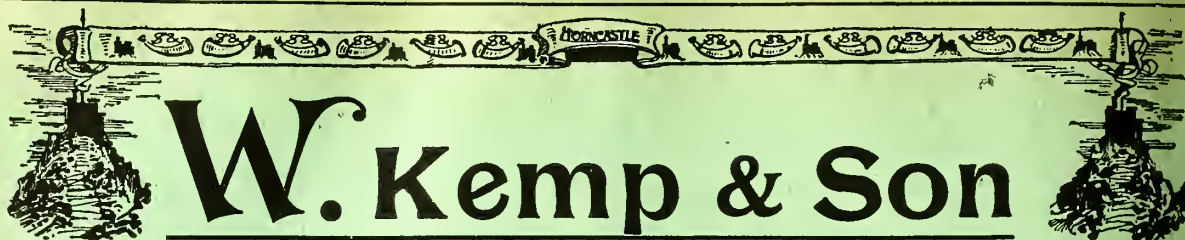
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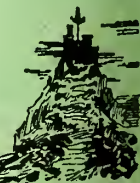
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Fig. 1.



Fig. 2.



Fig. 3.

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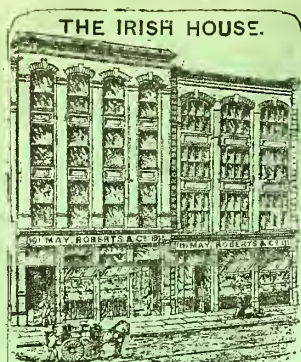
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**PRICES.**—(Fig. 1.) **4s. per dozen, 42s. per gross**, minimum quantity with Chemist's own name 1 gross; (Fig. 3) **4s. per dozen, 42s. per gross**, minimum quantity with Chemist's own name 3½ gross; (Fig. 2.) **250 for £1 12s., 500 for £2 15s., 1,000 for £5, 5,000 for £16**, minimum quantity 250.

**Sample Set of Advertising Sachets** post free to any part of the United Kingdom for 12 stamps, or to any part of the world for 24 stamps.

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**PERFUMES & TOILET ARTICLES,**

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MINIMUM RETAIL PRICE,  $\frac{1}{2}$  doz. Bots. for 20/-, or 3/6 per single Bottle.

In original cases of 6 dozen, £10 4s. 0d. net cash,  
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### THE CHEMISTS' BRAND.

#### THE TESTIMONY OF "THE LANCET."

*The following is from "THE LANCET" of March 30, 1896.*

"The above brand has long been known to be of standard purity. We found the specimen to be completely soluble in water and entirely free from impurities of any kind. It is, therefore, well adapted for the pharmaceutical purpose for which it is so useful, while as a popular demulcent it is both safe and reliable."

Recommended also by "The British Medical Journal," "Health," "The Chemist and Druggist," "Food and Sanitation."

**ASK FOR SHOWCARDS AND HANDBILLS.**

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All Packet Tobaccos, Cigarettes, and other Tobacconists' Proprietary goods supplied at Manufacturers' own List Prices.  
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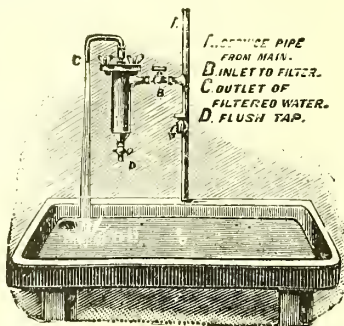
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"These Filters represent the greatest progress made in the construction of Filters during the last 10 years."—DR. PLAGGE.

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FILTER (as sketch) to attach to service-pipe	...	£2 2 0
Smaller size	...	1 5 0
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Chemists will find these Filters a profitable line, and one they can confidentially recommend to their customers.

Counter Filters specially adapted for Chemists doing a trade in Saline and Summer Drinks.

NO MINERAL WATER PLANT  
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QUALITY AND FLAVOUR UNIQUE.

Certificate of Analysis from GRANVILLE H. SHARPE, F.C.S.

I have submitted to a very careful analysis a sample of ADAMS'S EXTRACT OF HERBS and find it be a highly concentrated preparation composed of judiciously selected herbs in combination with hops, and in the manufacture of which much skill and scientific judgment have been exercised.

It contains in an admirable and attractive form valuable tonic, stomachic, and dietetic properties, and there is an entire absence of undesirable admixture in any form.

It should prove a valuable acquisition in the world of non-intoxicating drinks, as when used according to directions it produces a beverage of high merit, refreshing and palatable to the taste and whole-some and invigorating to the system.

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## MANHU CEREAL FOODS.

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NUTRITIOUS and SAFE for CHILDREN.

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PURE, for INVALIDS.

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For DIABETICS and DYSPEPTICS.

Awarded **GOLD MEDAL** at the Food and Cookery Exhibition, 1897.

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## SOLUBLE ESSENCE OF LEMON

FOR

Aerated Waters, Cordials, Syrups, &c.

Our position as Importers of large quantities of Lemons enables us to select fruit coming from districts that we have found from experience will produce the best results. We are, therefore, enabled to make a Superfine Essence of uniform character, which retains as nearly as possible the natural flavour and delicate aroma of the fresh fruit.

It is economical in use, being concentrated to the fullest extent, for use in the proportion of 1 oz. to 1 gallon of Syrup, &c.

Per lb., Duty Paid	...	3/-
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Sample and General Price List of Essences, Syrups, Cordials, Squashes, Citrate, &c., free on application.

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Compounders of Spirits, &c., DOCKHEAD, LONDON.



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CHEMISTS SAVE TIME AND MONEY

By selling my "Plain Label" \* Lines. Should remit prices quoted for sample 1-gross lots. If not satisfactory, I will pay carriage back, and return cash.

<b>* PENNY PETROLEUM JELLY</b> Per gross		<b>PENNY INSECT POWDER</b> Per gross	
In 1-gross tin boxes .. .. .	5/-; double size, 7/6	In perforated tins .. .. .	.. .. . at 6/6
<b>PENNY CEMENT</b> ( <i>largest and best</i> )		<b>* PENNY (Tasteless) PILLS</b>	
On 1-gross cards .. .. .	.. .. . 5/3	6 in a box, 1-gross cards .. .. .	.. .. . 4/6
<b>* PENNY SEIDLITZ POWDERS</b>		4 Pills in a box, 1-gross cards .. .. .	.. .. . 3/6
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### What it is!

**BOVRIL** is Beef, the entire lean of the Best Beef procurable. Not the Forty Pounds Weight of Beef which would have to be eaten before the nourishment contained in One Pound of Bovril could be imparted to the system, but Forty Pounds of the prime parts obtained from the finest selected Cattle reared in Australia and South America, concentrated by a special process, rendering it the most perfect form of strengthening, stimulating, easily digestible nourishment in the smallest possible bulk.

### INVALID BOVRIL

Is specially prepared for use in the Sick Room. It is put up in porcelain jars and sold by Chemists and Druggists only; and it differs from ordinary Bovril in being more concentrated and quite devoid of seasoning, and is relished and retained by Invalids when ordinary food and stimulants are rejected.

**BOVRIL, LTD., Food Specialists, LONDON.**

Chairman—RT. HON. LORD PLAYFAIR, K.C.B., LL.D.

THE LATEST SENSATION IS

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BEST SELLING CACHOU IN THE WORLD.

6/- { Per Box of—  
40 3d. Pkts., and  
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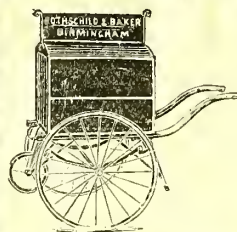
Order a Box from your Wholesale House. If they have not stocked it, send us P.O. for 6/-, and we will send you a Box, carriage paid.

OUR price is 6s. PAY NO MORE.

**SEN-SEN COMPANY,**

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OVER 200 GOLD MEDALS AND DIPLOMAS.

**FRY'S**  
*Pure Concentrated*  
**COCOA**Try also FRY'S MALTED COCOA,  
a delicious combination of  
FRY'S PURE COCOA AND MALT EXTRACT  
(Allen & Hanbury's).**INCREASE YOUR BUSINESS**

By using a smart Parcel Cart to deliver your goods you advertise in the cheapest and most effective manner, and therefore increase your sales.

LIGHT DELIVERY CARTS as drawn,  
SPECIALLY CONSTRUCTED FOR  
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**ROTHSCHILD & BAKER,**PARCEL CART & INVALID CARRIAGE MAKERS,  
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CATALOGUE FREE on application.

**CAFÉ ZYLAK****PEPTONISED MILK AND COFFEE**  
(Concentrated).

This new preparation of Coffee with Peptonised Milk supplies a largely felt want in the case of Invalids and delicate people. It is a most valuable addition to the condensed peptonised milk foods which have met with such complete approval from the Medical Profession.

**PEPTONISED MILK**

(Concentrated).

**PEPTONISED COCOA AND MILK**

(Concentrated).

All the above preparations are sold in tins at 1s. 6d. and 2s. 6d., and are obtainable everywhere.

**SAVORY & MOORE, 143 NEW BOND STREET, LONDON.***Chemists to the Queen and H.R.H. the Prince of Wales.**van Houten's Cocoa*Report by OTTO HEHNER, Esq., F.I.C., F.C.S.:—"Pure and genuine."  
"Method of manufacture in every way superior."  
"Great strength and digestibility."**TOWER TEA.**

The Best and the Cheapest in the World at the Price.

In  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1-lb. Packets only, to Retail at 1/-, 1/2, 1/4, 1/6, 1/7, 1/8, 1/10, 2/-, 2/4, 2/8 per lb. Also in Handsome 1-lb., 3-lb., and 5-lb. Decorated Tins, to Retail at 1/10, 2/-, and 2/4 per lb.

Agents appointed by

**TOWER TEA, LIMITED, 5 JEWRY STREET, LONDON, E.C.**





## THE WHOLESALE PRICE.

RETAIL PRICE.			PER DOZEN.
6d. Packets (Two Dozen in a box)	...	...	5/-
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1/6 Tins (One Dozen in a box)	...	...	15/-

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**5 per cent. Discount on Orders up to £5.**

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**Terms—Cash within 7 days.**

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N.B.—The above Discounts are from  $3\frac{3}{4}$  to  $6\frac{1}{4}$  per cent. better than can be obtained from any other source, whilst the merits of **DR. TIBBLES' VI-COCOA** are far greater than any other similar preparation in the world.

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The Proprietors hereby give notice to the Trade that the limit of "cutting" prices of **DR. TIBBLES' VI-COCOA** has been fixed as under:—

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*Full Prices to be obtained wherever possible.*

## FURTHERMORE.

Any Chemist, Grocer, or Stores cutting below these prices will be refused supplies direct from ourselves. And in this connection it is important to note that in £5 lots and upwards no trader in the kingdom, "Wholesale or Retail," can obtain more than the  $7\frac{1}{2}$  per cent. discount we offer.

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**Read the foregoing, send your order to**

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60, 61, and 62 BUNHILL ROW, LONDON, E.C.

*And obtain your fair share of the profits that are daily being made by our customers everywhere.*

# MASON'S EXTRACT of HERBS

Makes the  
Finest Beverage  
in the World.



FOR MAKING  
**NON-INTOXICATING  
BEER**  
IMITATED, BUT  
NOT EQUALLED.

Good! it's Mason's.

One Table-spoonful of Mason's  
Extract of Herbs makes One  
Gallon of splendid Beer.

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## 4 GOLD MEDALS

Do not be persuaded to buy any other kind, as the market is now flooded with vile rubbish, most of which contain no Herbs at all, and will not produce the same result. We guarantee ours to be  
COMPOSED OF HERBS.

**HANDBILLS, SHOWCARDS, &c., ON RECEIPT OF BUSINESS CARD.**

SOLE MAKERS—

## NEWBALL & MASON

Telegrams—  
"EXTRACT NOTTINGHAM."

**NOTTINGHAM.**

[ Telephone No. 1532.

**AGENTS WANTED.**



# "EDME" PURE MALT EXTRACT

**RICHEST IN DIASTASE. PURITY & KEEPING QUALITIES GUARANTEED.**

THE LANCET says:—"This preparation proved to be a highly concentrated and active malt essence. It possesses a rich malty flavour, and acts **powerfully** upon starch, **converting it rapidly into maltose**. It is, therefore, well adapted for use as an aid to the digestion of starchy foods, whilst furnishing also important food constituents."

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THE PHARMACEUTICAL JOURNAL says:—"This preparation is one which is not as well known to the retail chemist as some that could be mentioned, but examination of it shows that it **possesses claims which entitle it to extended patronage**. The result of the test proves the extract to be of **UNUSUALLY HIGH DIASTASIC VALUE**, and it is equally satisfactory in other respects."

**Samples on application to the**  
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**MISTLEY, ESSEX,**  
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**5 PER CENT. DISCOUNT FOR CASH. £5 Orders Carriage Paid in United Kingdom.**

Tidman's Sea Salt (bags to retail at 1 <i>l.</i> )	8/3 per Gross.	Tidman's 4 <i>d.</i> Salicylic Soap ...	7/6 per Doz. Boxes.
" " (packets " 1½ <i>l.</i> )	12/3 "	" 6 <i>d.</i> " " ...	10/6 "
" " (3-lb. boxes) ...	5/3 per Doz.	" Creamoline " " ...	8/6 "
" " (7-lb. " ) ...	10/3 "	" Assorted Toilet Soaps	5/0 "
" " (14-lb. " ) ...	18/9 "	The above are all wrapped in attractive Wrappers, and packed in Fancy Boxes containing 3 Tablets.	
" Glycerine and Cuc. Soap ...	1/6 "	Tidman's Assorted Toilet Soaps	
" White Rose and Cuc. Soap	1/6 "	12 unwrapped ¼-lb. Tablets in Box ...	15/0 per Doz. Boxes
" Marshmallow Soap ...	1/6 "	Tidman's Round Rose Soap, Milled,	
" Eucalyptus Soap ...	1/6 "	1 doz. in Box ...	18/0 "
" Oatmeal & Coal Cream Soap	1/6 "	Wesley's Petroleum Pomade, 6 <i>l.</i> size	3/0 per Doz.
" *Cold Cream and Glycerine	1/6 "	" " 1 <i>s.</i> " "	6/0 "
" *Sulphur Soap ...	1/6 "	" Linen Glaze, 1 <i>l.</i> size ...	7/6 "
" *Sulphur & Glycerine Soap	1/6 "	" " 3 <i>l.</i> " "	1/6 "
" *Musk Brown Windsor Soap	1/6 "	" "Kaiser" Eau de Cologne, 2 oz. ...	6/6 "
" *Cold Cream and Cuc. " "	2/0 "	" " " 4 " " "	12/0 "
Wesley's Carpet Soap ...	3/0 "	" " " 12 " " "	34/0 "
" Coal Tar Soap ...	1/6 "	" " " Wickered, ¼ Pint	19/0 "
" Carbolic Toilet Soap ...	1/6 "	" " " " 1 " "	36/0 "

All the above Soaps are wrapped in attractive Wrappers, and packed in Boxes of 1 doz. Tablets.

Marked \* are Milled Soaps.

**SPECIAL LINE.**  
CORN AND WART SOLVENT, retail at 4*d.*; 1 doz. on card, 2*s.* 4*d.* per doz.; 24*s.* per gross.  
*Special Quotations for Quantities.*

**TIDMAN & SON, LIMITED**

Bushell Street, Great Hermitage Street, and High Street (Melbourne Wharf), WAPPING, E.

Telegraphic Address—"BLUEBERRY LONDON."

(Near the Tower Bridge and the Docks.)

Telephone No. 332, Avenue.

Customers calling and selecting their own Goods to the value of £5 and upwards will be credited with cost of Cab Hire from City if incurred

# 'Lanoline'



Is a preparation of the purified cholesterin fat of lamb's wool, nearly identical with the fat of the human skin and of the hair glands. It readily penetrates the skin and renders it soft, smooth and supple. It possesses a distinct advantage over other ointment bases in being miscible with water and aqueous solutions of salts. Being free from septic contamination it is the only trustworthy ointment basis for antiseptic purposes. 'Lanoline' is supplied at 2s. 8d. per lb.

## 'Lanoline' Preparations.

TOILET 'LANOLINE' is an exceedingly effective emollient and protective to the skin in cases of roughness, redness, abrasions, cuts, burns and eruptions. It may also be applied to any mucous membrane. Toilet 'Lanoline' is supplied in collapsable tubes at 4s. 6d. and 9s. per dozen.

'LANOLINE' TOILET SOAP is carefully super-fatted with 'Lanoline,' and therefore not only cleanses and beautifies the skin, but also renders it supple. It is specially suitable for infants. Supplied in boxes containing 3 tablets, at 13s. 6d. per dozen boxes.

**Burroughs Wellcome & Co., Snow Hill Buildings, LONDON.**

Australasian Address :—108, Pitt Street, SYDNEY, N.S.W.

Cable and Telegraphic Address :—"BURCOME, LONDON."



## The Relative Value of Iron Preparations.

IN a paper read before the West Kent Medico-Chirurgical Society the author gives the following results of sixty-five clinical trials conducted by him at the National Hospital for Diseases of the Heart, Soho Square, London, W. :—

"In every case the hæmoglobin (Hb) in the blood was estimated; the treatment was then continued for twenty days, and the hæmoglobin again estimated. Ten patients were given 10 grains of ordinary coated Bland's Pill from the hospital dispensary three times a day. These pills had probably been made three months or so previously. The average daily increase of Hb was one-eighth per cent. Ten patients were given 10 grains of freshly-made Bland's Pill. The daily increase of Hb was nearly one-half per cent. Separate sets of five patients were given respectively equivalent doses three times a day of various iron preparations, the average daily increase of Hb ranging from below one-eighth to one-half per cent. Ten patients were given three times a day 8 grains of sugar-coated 'Tabloids' of Bland Pill made by Burroughs, Wellcome & Co. The increase of Hb was 1.2 per cent. per day." In a later portion of his paper the author explains this great superiority of Bland Pill "Tabloids" as follows :—

"When a 'tabloid' is swallowed, reaction between the salts takes place on coming into contact with any fluid which may be present in the stomach, and the nascent ferrous carbonate is formed in the viscous itself. Such 'tabloids,' made by Burroughs, Wellcome & Co., are further protected by a coating of sugar. If a 'tabloid' is cut open, the cream-coloured contents will be seen instantly to change to the dark-green ferrous carbonate on the addition of a drop of moisture.

It will thus be seen that the whole weight of evidence from these clinical investigations demonstrates the immense superiority of Bland Pill "Tabloids" over other iron preparations.

### LIST OF BLAUD PILL "TABLOIDS."

Bland Pill, 4 gr.

Bland Pill, 4 gr., with Arsenious Acid, 1/64 gr.

Bland Pill, 4 gr., with Aloin, 1/20 gr.

Bottles of 25 and 100, 6s. and 10s. per dozen.

Bland Pill, 5 gr., with Strychnine and Arsenious Acid, 1/100 gr. each.

Bland Pill Compound :— $\frac{1}{2}$  *Pul. Ferrugin.* (*Blaud*). gr. 5 ; *Pulv. Capsici*, gr. 1/4 ; *Aloin*, *Strychnine*, *Acid. Arseniosi*, aa gr. 1/30.

Bottles of 100, 15s. per dozen.

BURROUGHS, WELLCOME & CO.,

LONDON AND SYDNEY.

Cable and Telegraphic Address—"BURCOME LONDON."

## 'Emol= Keleet'

A natural powder containing a large proportion of native silicates, employed as a diluent for such potent therapeutic agents as Loretin, Iodoform, Dermatol, Boric Acid, etc., and as a drying and dusting powder. ❖ ❖ ❖

Its soft, silky texture, soothing influence, and other valuable qualities enhance its healing action. It has proved successful for drying weeping surfaces when all other powders have failed. ❖ ❖ ❖

Supplied in tins at 8s. 6d. per dozen.

BURROUGHS, WELLCOME & CO.,  
LONDON and SYDNEY.

## 'Saxin'

(Trade Mark.)

Is a delicious sweetening agent, about 600 times sweeter than sugar, and has been aptly termed 'the sweetest thing on earth.' 'Saxin' is indicated in diabetes, gout, glycosuria, obesity, etc., because it undergoes no change in the system. A 1/4 gr. 'tabloid' of 'Saxin' is equivalent to one lump of best loaf sugar. A small bottle containing 100 or 200 can be easily carried in the vest pocket. ❖ ❖

Supplied at 7s. and 12s. 6d. per dozen bottles.

BURROUGHS, WELLCOME & CO.,  
LONDON and SYDNEY.

# Vinolia

A Plastic  
Emollient Cream  
for  
ITCHING,  
FACE SPOTS,  
ECZEMA.

Retail Price, 1/11, 1/9, 3/6, and 6/-.

Trade Price, 10/8, 16/9, 33/4, and 57/8 per dozen boxes (less usual discounts).

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**CONCENTRATED LIQUORS ("HERON")**  
For the immediate production of  
TINCTURES, INFUSIONS, DECOCTIONS, SYRUPS, &c.

GRANULAR EFFERVESCENT SALTS.

PILL CONSISTENCE  
AND IN POWDER.**EXTRACTS**LIQUID, B.P.,  
B.P.C., U.S.P.**COCA WINE**("NON-EXCISABLE"),  
IN PINT and HALF-PINT BOTTLES.**LINCTUS ROSÆ,**

A Cough Specific for Children.

**LINCTUS TUSSI RUB.,**A similar  
preparation to the  
above,  
for Adults.

**HEARON, SQUIRE & FRANCIS**  
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SOCIETIES in the British Empire.**

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**OUR SUMMER NUMBER.**

WITHOUT entering into details regarding the nature of the Summer Number, which we shall publish on July 31, we may venture to say that it will mark a step in advance so far as trade journalism is concerned; and we are desirous that

**THE INSETS**

with the distribution of which we are always entrusted on these occasions should be effective and business-promoting. We, therefore, hope that advertisers who are thinking of inserting circulars or price-lists in that number will communicate with our publisher at an early date, as he may be able to give them material assistance in designing or drafting their insets. Such assistance is willingly and freely given. We believe that the method of advertising by circular and price-list is

**EMINENTLY PRODUCTIVE OF BUSINESS,**

because some of the most experienced advertisers and best business men in the country have given us orders for them again and again. This is, further, a tribute to the unique circulation of **THE CHEMIST AND DRUGGIST**—a proof of its wonderful business-promoting capacity. We do not scatter these Summer Numbers broadcast, our endeavour simply being to place each and every one of the eleven thousand into the hands of a man who will appreciate it and buy from it.



THE latest store-prices are printed on p. 869.

THIS week's cartoon is about the new B.P. (p. 895).

THE condition of trade in Brazil is referred to on p. 872.

SOME new ideas in advertising are mentioned on p. 868.

AN Oldham chemist has been found dead in his shop (p. 869).

THE death of Sachs, the distinguished botanist, is reported (p. 890).

THE Pharmaceutical Council found itself 1,160*l.* short on Wednesday (p. 874).

WE print a reproduction of Mr. Herkomer's portrait of Dr. John Attfield (p. 894).

THE Queen is to receive a loyal address from the Pharmaceutical Society of Great Britain (p. 874).

THE progress of medicine and surgery during the Queen's reign is commented upon in an editorial note (p. 886).

MR. WALTER HILLS has been re-elected President and Mr. Hampson Treasurer of the Pharmaceutical Society (p. 873).

MR. NEWSHOLME, of Sheffield, has succeeded Mr. John Harrison as Vice-President of the Pharmaceutical Society (p. 873).

FURTHER particulars are given on p. 892 of the new B.P. The colonial and Indian requirements are to form an appendix.

THE General Medical Council has removed two names from the medical register. An illustrated report of the proceedings is on p. 891.

THE Pharmaceutical Association of Quebec has obtained convictions in cases against Department stores who sold patent medicines (p. 872).

MESSRS. STEVENSON & HOWELL are the poorer by a farthing this week—damages which they have had to pay a debtor for alleged libel (p. 876).

PROFESSORS MOISSAN AND DEWAR have succeeded in liquefying fluorine. In the liquid state it is not nearly so energetic as in the gaseous condition (p. 893).

THE President of the Local Government Board is considering the advisability of supplying all medical practitioners with glycerine vaccine-lymph free (p. 881).

THE Pharmaceutical Society has successfully proceeded against the unqualified assistant of an Airdrie chemist who sold poison, including red-precipitate ointment (p. 875).

THE novelties described on p. 882 are a stable salt of piperazine (citrate) and Bishop's variettes, new chinolol preparations, photo mounts, infants' foods, and Jubilee perfumery.

THE Court of Appeal has reversed the decision of Mr. Justice Kekewich that "American Syrup of Figs" is an infringement of the title "Californian Syrup of Figs" (p. 876).

MR. E. DIETERICH, of Helfenberg, has published a decennium of work done in his laboratories. In commenting upon it we refer to German competition in manufacturing pharmacy (p. 888).

IN an interview with the Hon. F. S. Grimwade, of Melbourne, we have obtained some information regarding the drug and chemical trade of Victoria. We give notes of the interview and a portrait of Mr. Grimwade on p. 884.

ADULTERATION-CASES (reported on p. 877) are in respect to tr. cinchonæ (failed on a technical point), spt. æther. nit. (analysts Dr. Adams and Dr. Paul—Somerset House to decide), and tr. opii (aqueous and containing a tenth of proper quantity of morphine—fine 5*l.*).





Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.

#### Chemists as Sub-postmasters.

The sub-postmasters and mistresses of Manchester and district have formed a branch of the National Federation of Sub-postmasters. Amongst those present at the meeting on May 26, when the branch was formed, were Mr. Bradner, chemist, Cheetham Hill; Mr. Foden, chemist, Chorlton-cum-Hardy; Mr. Wilkinson, chemist, Manchester; Mr. Inglis, chemist, Delph; and Mr. Cussons, chemist, Ossett.

#### A Bacterium which Liberates Nitrogen.

At the last meeting of the Nottingham Section of the Society of Chemical Industry, which by the courtesy of Professor Clowes was held at his residence, The Park, Nottingham, under the presidency of Mr. F. J. R. Carulla, a paper was read on "A Pure Cultivation of a *Bacillus* fermenting Bran-infusions," by Mr. J. T. Wood in collaboration with Mr. W. H. Willeox, B.Sc. In a previous paper on the nature of bran-fermentation (*J.S.C.I.*, vol. xii., page 422) the bacillus in question was provisionally named *Bacterium Furfuris*. The authors have now obtained two kinds of colonies by a special method of cultivation, the majority being round, yellowish, and of small size, a smaller number spreading out on the surface of the gelatine, and being slightly iridescent. They think it, nevertheless, probable that the organisms are identical, the two being only varieties of each other. The paper dealt at great length on the products of fermentation from leather drenches prepared with this organism, special attention having been given to the volatile acids—lactic, formic, acetic, and butyric—and also to the gases. In the latter connection the evolution of free nitrogen from the fermentation places this bacterium in a class out of the ordinary. The paper, which was illustrated with lantern-slides, was of special interest to tanners. It was discussed by Messrs. Golding, Lott, Thomas Tyrer, Clowes, O'Sullivan, Sudborough, Wood, and Carr, most of the speakers referring to the high value of the research, which, though of a purely scientific nature, has important technical applications. Mr. Golding afterwards exhibited a series of views showing the necessity of nitrogen for vegetation. The slides had been prepared to prove the benefit of chemical manures for farm crops. The specimens from which the photographs were taken had been grown in pots filled with sand, and the various manures were added to this infertile soil, so that the copious growth exhibited by the plants could only be due to the manures, the plants in the pots without manure being quite stunted. The meeting concluded with a few remarks from the retiring Chairman, who said that much of the success of the past two years was due to the courtesy and cordial assistance of their Hon. Secretary, Mr. J. T. Wood. The new chairman is Mr. C. O'Sullivan, F.R.S.

#### Bonuses in the Soap-trade.

On Saturday evening last Messrs. Edward Cook & Co., of the East London Soap-works, Bow, invited the members of their staff, heads of departments and travellers, to dine with them at the Holborn Restaurant. Mr. E. Rider Cook, the senior partner, presided, and was supported by Mr. William Cook, Mr. T. Aleck Cook, Mr. Samuel Hall, Mr. Martyn Cook, and Mr. Godfrey Hall. Mr. Henry John Cook was unable to be present owing to a family bereavement. Dinner was served in the Caledonian Room, and, in opening the subsequent proceedings, the chairman said the firm were very glad to meet again the staff and travellers, and to be able to distribute bonuses to those who had been with them during the year 1896 and had helped to make it a successful one. It was a grand thing for a firm to have so many trustworthy

servants about them. Some members of their staff had been with them for more than forty years. He regretted that several of the veterans were unable to be present that evening. A cricket club and a musical society have been established and promise to create much interest. In a few days bonuses will be distributed to all the workmen who have been in the employ of the firm during the whole of the year 1896, to each one according to the firm's opinion of the way in which he has done his duty.

#### A Belgian Drug-agent Arrested.

At Bow Street Police Court on Monday last, before Mr. Lushington, Alfred van Dyck, described as an agent in drugs and chemicals, of the Boulevard Leopold, Antwerp, was charged on a warrant, under the Post Office Acts, with sending indecent literature through the post. Mr. Wontner, who prosecuted on behalf of the police, said information had been received that the prisoner was using the post for the transmission of indecent literature. A detective-inspector wrote to him at an address in the Rue van Wescenbeke, Antwerp, ordering three books, and enclosing an order for 1*l.*16*s.* in payment. The books were delivered in wrappers bearing English stamps, defaced with the W.C. postmark. It would be proved that the addresses were in the prisoner's handwriting, and that he was seen in London on that day. The prisoner was remanded, and bail was refused.

#### Royal Society.

This week's meeting of the Royal Society (which is held as we go to press) is rather an important one. In addition to the election of Fellows, eight papers are communicated, amongst them, one by Sir Richard Quain, on "The Mechanism by which the first Sound of the Heart is Produced," and another by Dr. Alexr. Edington, the Cape bacteriologist, on "The Nature of the Contagium of Rinderpest." The latter is a preliminary communication. Professor Fleming and Professor Dewar communicate two papers—(1) on "The Dielectric Constants of certain Frozen Electrolytes, at and above the Temperature of Liquid Air," and (2) on "The Dielectric Constants of Pure Ice, Glycerine, Nitrobenzol, and Ethylene Dibromide, at and above the Temperature of Liquid Air."

#### Chemists Advertising.

Mr. Herbert W. Seely, F.C.S., of Halifax, who is always "up to date" in window-displays, has made a very pretty, effect in suspending cut-glass dishes, by means of silk ribbons, from the top of the enclosure, thereby showing fine specimens of seed-germination—viz., black mustard, tares, flax, and peas, all propagated on damp, absorbent wool. It adds gracefully to the smartly-arranged show of sundries.

Boots have originated yet another prize competition. On this occasion eighty-one cash prizes, amounting in value to 50*l.*, together with a number of books, each worth 2*s.*, are offered to those persons sending in the largest number of coupons given away with Wills's Hygeia Salt, one coupon being given with each 6*z.* tin, two in each 1*s.* tin, and four in each 2*s.* tin.

Messrs. Walker & Harris, cash chemists, Canterbury, announce that instead of charging the same price for every bottle of medicine of the same size they have adopted an entirely new scale of charges, based primarily upon the cost of the ingredients in each medicine dispensed. This, they say, "will generally be found to be about one-half, and sometimes not more than one-third, of the prices generally charged."

#### Analytical Limits.

Mr. A. H. Allen, public analyst for Yorkshire, was called upon to analyse the contents of the stomach of a woman who was supposed to have died from poison taken to procure abortion. At the adjourned inquest on Thursday, Mr. Allen reported that he had failed to find any fragments of ergot, savin, rue, or other drugs suggested by the history of the case. He understood that before death deceased had a medicinal dose of tincture of henbane, but it would be beyond his power to detect the minute trace of hyoscyamine which would be contained therein. He also understood that deceased had taken thirty drops of "compound decoction," but what was meant by that he did not know. An open verdict was returned.



## Quinine a Guinea an Ounce.

The Kingston Guardians have been trying to make new arrangements with their four medical officers. They thought a guinea an ounce was rather stiff for quinine. They asked the medical officers if they would agree to a revision of their contracts, so that they should charge actual cost for linseed-meal, cod-liver oil, and quinine. The medical men replied in a joint note suggesting an increase of their salaries by 20 per cent. After some criticism the subject was referred to a committee.

## Chemists at Cricket.

Messrs. Barron Harveys' C.C. played the Brecon C.C. last Saturday, and scored 126 for six wickets. The Brecon's total was 39.

The Aldersgate C.C. (S. Maw, Son & Thompson) played the Olympia C.C. (Munt, Brown & Co.) on Saturday last, at Dulwich, and won the match by 93 to 55.

Our championship table of the inter drug-club matches stands at present as below:—

	Won	Lost
Burgoyne Burbidges ... ..	2	0
Barron Harveys ... ..	1	1
Heron (Hearon, Squire & Francis) ...	1	2
Burroughs, Wellcome & Co. ... ..	0	1
Davy, Hill & Co. ... ..	1	1
Pharmaceutical School ... ..	0	1
Bolland (Hodgkinsons, Treacher & Clarke) 0	1	1
Aldersgate (S. Maw, Son & Thompson)...	1	0
May & Baker ... ..	2	0

Draws will not be counted, nor any matches played with other than drug-house teams. Secretaries will oblige by notifying us of results as promptly as possible.

## A Chemist Found Dead in his Shop.

On Monday morning the dead body of Thomas Lambert, chemist, was discovered in his shop, 16 Huddersfield Road, Oldham. The police, suspecting something wrong, entered the premises and found the tenant, the only occupant, sitting on the shop-floor quite dead, with a bottle containing liquid beside him. The deceased was of a reserved disposition, seldom speaking to his neighbours, and is stated to have shut up his shop for a fortnight at a time. It is about a fortnight since he was last seen alive.

## Fires.

Some 4,000*l.* worth of damage has been done by a fire at Port Dundas Chemical-works, owned by Messrs. Alex. Cross & Sons, which broke out in a building where phosphates are ground for manures.

At Bedford the house occupied by Mr. Ebenezer Scott, chemist, 31 Tavistock Street, was fired by lightning during a thunderstorm the other day, and considerable damage was done.

On Sunday morning last a fire broke out in the Vine Chemical-works, Widnes, belonging to the United Alkali Company, where zinc-white is principally made. Several thousand pounds' worth of plant and products were destroyed.

## Store-prices.

The Civil Service Supply Association intimate the following alterations in prices in their June circular:—All sizes of Collis Browne's chlorodyne (the latest addition to the P.A.T.A. list) have been advanced—viz., 9*l.* size to 1*s.*, 2*s.* to 2*s.* 6*d.*, 3*s.* 2*d.* to 4*s.*, and 7*s.* 9*d.* to 10*s.* Reduced: Camphor, in blocks, from 2*s.* to 1*s.* 10*d.* per lb.; Ingram's enemas, from 4*s.* 11*d.* to 4*s.* 6*d.*; Williams's pink pills, from 2*s.* 3*d.* to 2*s.* 1*d.*; seltzogene-powders (3 pt.), from 2*s.* 10*d.* to 2*s.* 9*d.* per box; Howard's quinine—(1 oz.) from 1*s.* 4*d.* to 1*s.* 3*d.*, ( $\frac{1}{2}$  oz.) 8½*d.* to 8*d.*, ( $\frac{1}{4}$  oz.) from 5*d.* to 4½*d.*; De Jongh's cod-liver oil, from 2*s.* and 3*s.* 10*d.* to 1*s.* 11*d.* and 3*s.* 8*d.* respectively. Dr. Scott's pills, Powell's balsam of aniseed, and Beetham's preparations (all P.A.T.A. articles) have lately been restored to the list. The Army and Navy Co-operative Stores (Limited) have reduced Horlick's malted milk to 1*s.* 4*d.*, 2*s.* 1*d.*, and 9*s.*; Bland's pills to 9*d.* per bottle of 100; soluble saccharin to 2*s.* 6*d.* per oz.; sulphonal to 1*s.* 2*d.* per oz.; white wax to 2*s.* 3*d.* per lb.; spermaceti to 2*s.* per lb. They announce "coea wine (Army and Navy), which is made on the society's premises from carefully-selected green coea-leaves and a

sound port specially imported by the society," 2*s.* 6*d.* per bottle, 29*s.* per dozen.

## Effusive Loyalty.

On the occasion of her Majesty's birthday Messrs. Forshaw & Snow, of the Infirmary Pharmacy, Bradford, sent to the Queen a congratulatory telegram, and in response received the following letter:—

The Private Secretary (Sir Arthur Bigge) is commanded to express the thanks of the Queen for the kind message of congratulation which you have forwarded to her Majesty.

Buckingham Palace,  
May 26, 1897.

To Messrs. Forshaw & Snow.

The same firm announce that they have received a royal warrant from the King of Greece appointing them chemists to his Majesty.

## L.C.C. Contracts.

At the weekly meeting of the London County Council on Tuesday it was decided to accept the following tenders according to schedule:—Chemicals: Messrs. Burgoyne, Burbidges & Co. Disinfectants: Messrs. J. L. Wade & Co. (Limited). H. Wallace & Co., Middleton Bros., and Sanitas Company (Limited).

## The Druggists' Sundriesman's Elevators.

Arthur Lewis Pointing, the druggists' sundriesman of Westminster Bridge Road, also trading under fourteen *aliases* at as many addresses, who is charged with fraud in inducing persons, by means of advertisements, to purchase "A.D. Invisible Elevators (registered)," which he purchased at 2*s.* 9*d.* per dozen pairs and sold at 3*s.* 9*d.* and 5*s.* 6*d.* per pair, quoting two prices, though only one quality was manufactured, appeared again at Bow Street Police Court on Wednesday. The elevators sold were intended to be used by people who were desirous of increasing their height, but they were nothing more or less than pieces of cork shaped to fit in the boot, having a depth of one inch at the heel and sloping towards the instep. The prisoner was again remanded, bail being allowed in two sureties in 200*l.* each.

## The Oxford Truss-case.

Samuel Albert Sly, *alias* Albert Hodge, who has extensively advertised in the London and provincial press as a truss-maker, of 10 Ship Street, Oxford, appeared again at the Oxford City Police Court on Tuesday last. We reported the first stage of this case last week, when a witness named Abraham Hoyle, of Blackpool, stated that he was induced by the prisoner's advertisement to buy one of his improved patent trusses for 5*l.* Mr. Charles W. Good, manager of the *Lancet*, now gave evidence. He said his attention had been called to the circular produced, and to a quotation purporting to come from the *Lancet* in it. The words quoted never appeared in the *Lancet*. Mr. R. G. Rows, M.R.C.S., Reading, denied giving a testimonial attributed to him. Mr. M. J. Lindsey, surgical-instrument maker, of 32 Ludgate Hill, London, gave it as his opinion that the value of the truss produced was about 15*s.* The prisoner, who reserved his defence, was committed for trial at the assizes.

## The Storage of Carbide of Calcium.

At the meeting of the London County Council, on Tuesday last, the Public Control Committee reported that they had considered fifty-eight applications under the Petroleum Acts, including two for the keeping of carbide of calcium, and had granted licences in all cases, subject to stringent conditions for ensuring safety.

## Photographic Exhibition.

The forty-second annual exhibition of the Royal Photographic Society will be opened at the gallery of the Royal Society of Painters in Water Colours, Pall Mall East, on September 27. Exhibits should be sent to the Secretary, 12 Hanover Square, W., before September 8. From him particulars may be obtained as to charge for space for pictures and apparatus.

## The Midland Pharmaceutical Association.

The annual report of this Association has been circulated; and was presented to the annual meeting held at the Grand



Hotel, Birmingham, on Thursday evening, June 3. The report gives a full abstract of the papers read, and of the business transacted during the year; and the pamphlet is made specially interesting by the appendix of the paper in full, entitled "Doctors and Medicine-men," which was read before the Association on February 9, 1897, by Dr. Thomas Wilson.



*Local newspapers containing marked items of news interesting to the trade are always welcomed by the Editor.*

#### Fire at a Chemist's.

Last week, at Bangor, county Down, the drug-establishment of Mr. T. B. Gorman, Bridge Street, was completely destroyed by a fire, which broke out in some unknown manner in the drug-store. The damage, which is estimated at 600*l.*, is covered by insurance.

#### No Redress.

Last week, in the Recorder's Court, Belfast, before Judge Fitzgibbon, Messrs. John Clarke & Co. (Limited), wholesale chemists and druggists, Corporation Street, Belfast, sued the Great Northern Railway Company to recover 5*l.* damages for the non-delivery of a barrel of pills consigned to the plaintiffs by Mr. J. McClelland, Ballyshannon. After hearing the evidence, his Honour dismissed the action.

#### A Message from the Sea.

A medicine-bottle containing the following note was picked up last week on the strand at Lough Foyle:—"Rostrevor, Ireland, December 17, 1896.—When this is found all will be over. I will be dead, and all forgotten. I have striven in vain to succeed, but ill-luck pursues me. I am a chemist, and a native of Cornwall, and my relations will never probably know my fate. The contents of this bottle and the sea will ease me of trouble in this world.—D."

#### The Local Man.

The Lismore Board of Guardians have passed a resolution requiring their drug-contractor to sign an agreement to supply at wholesale price any medicines required which are not included in the official list, the price to be the same as that quoted by any large English drug-firm. In deciding the medicine-contract, it was represented that preference should be given to the local contractor, even though his tender was not the lowest, because he was the local man, and the cheapest article was not always the best. Objection was taken to this on the ground that to do so would destroy all competition, and it would be simply lost time to invite tenders in future. The force of this was seen, and the tender of Messrs. Leslie & Co., Dublin, which was the cheapest, was accepted.



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#### An Annual Function.

One of the functions of the Edinburgh District Chemists' Trade Association is to ensure that the members will have at least one day out every year. The day falls next week—

Thursday, June 10—and that delightful bit of Scotland which Scott and Hogg have immortalised—Ettrickdale—has been selected for the "function." The party will start from the Waverley Station, Edinburgh, at 8.20 A.M., and will arrive at Selkirk at 9.40. There they are to take brakes and drive up Ettrick Water to Tibbie Shiel's Cottage on St. Mary's Loch, "sandwiches being partaken of on the way." We suspect that the circular is guilty of a sin of omission here, unless the functionists have patience to wait for "the tea and other refreshments which may be had by those desiring them." After spending two hours thus at Tibbie's and admiring the very fine view, the party will resume the journey to Selkirk and will dine at the County Hotel. Anybody in the drug-trade who wishes to join the party should write at once to Mr. Claude F. Henry, 1 Brandon Terrace, Edinburgh.

#### Edinburgh Golfers.

The Edinburgh District Chemists' Golf Club during the past month had a hole-and-hole tournament (handicap), and the second round has finished with the following results:—A. M. Stewart (5 holes) beat W. C. Baker (3 holes); W. H. Wheelans (5) beat J. G. Robb (9); John Robertson (scratch) beat John Bowman (5); Jas. Stott (3) beat F. D. Burt (6); Wm. Swan (3) beat J. C. Laird (scratch); A. C. Kirkpatrick (scratch) beat J. D. Horsburgh (3); A. G. Bruce scratched to John Sutherland; and J. W. Carmichael scratched to D. N. Wyllie. For the third round the following will be the players:—1. W. H. Wheelans *v.* John Robertson. 2. A. C. Kirkpatrick *v.* John Sutherland. 3. D. N. Wyllie *v.* Wm. Swan. 4. A. M. Stewart *v.* Jas. Stott. The draw for fourth round, or semi-final, declares that the winner of No. 1 tie in third round will play winner of No. 3, and winner of No. 2 will play winner of No. 4.

#### Edinburgh Athletes.

The Edinburgh Pharmacy Athletic Club, owing to wet weather, had to postpone their sixth annual athletic sports from Tuesday evening, May 25, to Thursday, May 27. The postponement was not a happy one, as the Thursday's weather was as bad as, if not worse than, the Tuesday's. A first-class evening's sport was, however, successfully carried through. The various events brought out large fields, and the prizes excited keen competition. Mr. D. B. Dott, Hon. President of the club, presided at the presentation of the prizes, and in his speech congratulated the club on its continued progress. He also mentioned that forty new members had joined within the last two months. The events open to amateurs gave an added interest to the meeting, and, as showing the popularity of the club among athletes, no fewer than ninety sent in their names for one race, which constitutes a record for the East of Scotland. The following were the results of the confined events:—300 yards handicap (confined to apprentice members): 1, J. Aikman (40 yards); 2, R. Mair (40 yards); 3, R. Wilson (18 yards). Half-mile handicap (confined to members): 1, J. D. Ross (65 yards); 2, R. Scott (10 yards). 220 yards handicap (open to trade): 1, R. Wilson (18 yards); 2, G. Somerville (scratch). One-mile bicycle handicap (open to trade): 1, J. A. Y. Bowman (scratch); 2, D. S. Napier (25 yards).

## French News.

*(From our Paris Correspondent.)*

**TATTOOING AS A MODE OF TREATMENT.**—At a recent meeting of the Paris Academy of Sciences, Professor Lannelongue read a short paper by Dr. Fouquet, of Cairo, concerning the use of tattooing as a mode of treatment for certain maladies. M. Lannelongue mentioned that during a recent visit to Egypt he was invited to inspect a female mummy which was remarkable for the preservation of tattoo-marks on the stomach. It was discovered by Dr. Fouquet and the Conservators of the Cairo Museum in 1891, and is supposed to be the remains of a priestess of Hator, named Ament, who lived under the eleventh dynasty, some five thousand years ago. Dr. Fouquet believes that the mummy was the remains of a woman who had died young. The face was contracted as though from great pain, and the



body had apparently been very thin. The three tattoo-marks on the stomach were very distinct, and had evidently been made a long time before death. The doctors who examined the mummy formed the opinion that the priestess died from peritonitis. M. Lannelongue said he suggested to Dr. Fouquet experiments with tattooing for medical treatment. Dr. Fouquet experimented on fifteen patients suffering from such ailments as neuralgia, rheumatism, and headache. Seven treated in this way declared they derived benefit from the tattooing. No result was obtained with six, and the remaining two regretted the treatment. Tattooing is still carried on as a trade by women in the native quarters of Cairo.

**MUTUAL ASSURANCE OF PHARMACISTS.**—The proposed Mutual Assurance of Pharmacists which is being arranged under the auspices of the General Association is still in its initial stage, though there is every prospect of ultimate success. The original idea, that the scheme of insurance should take the form of collecting a given sum from each adherent to the scheme on the death of a member, has given way to the more rational arrangement of either an annual payment or a limited company with shares of 200f. (8l.) each. The insurances can either be for life or a given period. While a medical certificate of health is required, the promoters of the idea are of opinion that, in insuring mutually amongst themselves, pharmacists should be less stringent in the matter of such medical certificates than ordinary insurance companies. The suggested society will be solely for pharmacists, and not even their wives will be allowed to contract an assurance, though of course they will benefit by the scheme, as undoubtedly most of the policies would be in their favour. The third arrangement under the scheme would be that by which a pharmacist can insure a certain capital in favour of a child, by payments extending over ten, fifteen, or twenty years, as may be desired.

**PHARMACEUTICAL STUDIES.**—The French Minister of Public Instruction has addressed a circular to the various schools of pharmacy in France in order to learn their opinion with regard to the "stage" or apprenticeship of three years in a pharmacy, which is the necessary part of every prospective pharmacist's introduction to his career. The question was very thoroughly discussed at the Congress of Pharmacists held in Paris last April, with the result that the meeting voted in favour of the maintenance of the "stage" before the educational course at a school of pharmacy instead of afterwards as had been proposed. It is therefore not surprising that the replies received by the Minister from provincial schools state the same views as those expressed at the Congress. The professors of the Nancy School, for instance, in their reply draw particular attention to the important part the practical work plays in the student's education, and which should commence the moment he enters the school of pharmacy. The manipulations at the dispensing-counter they consider an excellent preparation for this, whilst if the student commences his course for the pharmaceutical diploma immediately on leaving school, he would have to undergo a long apprenticeship in the use of laboratory instruments. Also in the event of the partial suppression of the stage, or its transfer to the post-educational course, they consider it would be necessary to increase by one or even two years, the time passed at a school; besides in the majority of cases the students would probably be too young to thoroughly grasp the whole course of their studies.

**IMPRESSIONS OF LYONS.**—"How can all these pharmacies make a living at such close quarters?" was the question that occurred to a C. & D. representative who strolled through the streets of Lyons a few days since. But when he came to remember that the Chicago-like tendency to "build skywards" gives a population to the square mile which no English city approaches, he began to understand the mystery. The Lyons pharmacies have usually a smart appearance and extensive fronts that seem to argue prosperity. There is evidently a good deal of competition, and "Lowest Prices" are announced on every second establishment, usually qualified by the twin inscription of "Highest Quality." The Lyonnais has the reputation of being a keen business man, and all the leading pharmacies run specialities of their own. "Regenerating" medicaments seem a popular line, as well as the usual cough and other remedies. It is not unfrequent to see the whole front and in many cases a section in the window filled with

a speciality. The most striking front I saw, writes our correspondent, was in the Avenue de Saxe, where a dozen windows each bore the Geneva Cross surmounted by the words "Bon Marché" in scarlet letters and followed by an announcement of specialities, low prices, &c. A smart pharmacy in the Rue de la République pushes a full line of toilet-preparations, and has, in addition, a showcase in the crowded "Salle des Dépêches" or reading-room of a daily newspaper near at hand. If the Lyons pharmacist is a "chimiste," an M.D., or even if he happens to have taken his diploma at Paris, he is usually careful to let the fact be so apparent to the passer-by that "he who runs may read." While passing down the Avenue de Saxe I made two rather amusing mistakes. In one case I saw "Pharmacie" inscribed over a second-hand furniture shop. On inquiry I was directed opposite, where the pharmacist had moved to handsomer quarters. He had left the inscription, so far as I could understand, to prevent shortsighted people like myself thinking he had given up business and gone away altogether. A little further on I saw "Pharmacie Rabelais," and thought I had found a chemist who was the lineal descendant of the jolly curé of Meudon. But my attention was drawn to the fact that the street bore that name, and my "discovery" collapsed. There are more pharmacy students in Lyons than anywhere in France (outside Paris). The University buildings form a handsome riverside block on the south side of the Rhône; the Military School of Health is close by. The Students' Association gave an amusing entertainment at the Eldorado Hall recently. The leading item on the programme was a farce entitled "Ohé, les diplômés." All the male parts were played by students, and the authors were also from their ranks. M. Lumière, the inventor of the cinematograph, is a Lyons man, and one cannot walk the length of the main street of the city without being invited by a leather-lunged individual to behold the marvels of his invention. A bust of Raspail and a statue of Jussieu are noticeable on the public gardens along the Rhône. But I fancy commerce and not science is the aim of the average Lyonnais; they are a hard-working, practical, and possibly occasionally slightly narrow-minded race, with little or nothing of the Southerner about them. Lyons ranks as the most important town in France, next to Paris.

## Colonial and Foreign News.

**AN OPENING FOR CYANIDE OF POTASSIUM.**—The British Consul at San José, Costa Rica, states that the cyanide-process is not used there in gold-mining, but that there is reason for believing that, if it were, much better results would be obtained from many Costa-Rican mines than is the case at present.

**DICTATING QUESTIONS.**—At the last examinations of the Pharmaceutical Association of Quebec the questions were dictated to the candidates. This was done because there was some suspicion that the questions, previously type-written, had been got at. Under the new plan the questions were read out three times, and the candidates seemed to like the plan.

**PHENACETINE IN U.S.A.**—Judge Lacombe, of the United States Circuit Court, has decreed that Bayer's patents for the manufacture of sulphonal of October 30, 1888, and also for the manufacture of phenacetine of March 26, 1889, are good and valid, and has restrained a traveller named Henry Gill from infringing the patents by selling products which are not made by Bayer.

**AMERICAN PHOSPHORUS.**—It is reported that the Diamond Match Company, which owns the phosphorus-factory at Mount Holly, N.J. (the only one in the United States), proposes to close the works at the end of June. English manufacturers of phosphorus have agreed to supply the article to the company at a low figure, and in return to have the whole of the trade of the United States in phosphorus.

**BUSINESS IN JOHANNESBURG.**—The drug-trade appears to be in a bad way in Johannesburg at present. "The returns of some of the chemists in this town," writes a correspondent, "have fallen off by 50 per cent. within the past few months,



In one case a pharmacist who employed six assistants in his two shops at the beginning of the year has now only work for three. No improvement is expected until the end of the year."

**STORES IN CANADA.**—Three departmental stores in Montreal have been fined under the Pharmacy Act of Quebec for selling patent medicines. The Pharmaceutical Association prosecuted, and the charge amounted to one of keeping an open shop, so that the victory of the Association is important. A fine of \$25 was imposed in each case. A curious point in connection with the matter is that the Judge said the French version of the Act was not clear, although the English one decidedly gave it that the stores had committed an offence.

**LOEFFLER'S BACILLUS IN SAMOA.**—In 1896 a firm at Samoa, in the Pacific, imported a supply of Professor Loeffler's "mice-typhoid-bacillus," with which to exterminate rats on the coconut-plantations. Rats, mice, and flying-foxes (*Pteropus Samoensis*) were inoculated with no very certain results, except in the case of the flying-foxes; but after a time an extraordinary epidemic of chicken-cholera arose among domestic fowls, and dogs also died in great numbers. It has not been ascertained for certain, however, whether these facts were due to the "mice-typhoid-bacillus" or to the unprecedentedly hot and dry weather.

**STUDYING CUSTOMERS' REQUIREMENTS.**—Consul Ralph Bernal, of Rio Grande do Sul, Brazil, quotes the following instance of the want of accommodation to the requirements of foreign customers on the part of British firms:—"A small still was required in a business house at Rio Grande; two catalogues were consulted; one was that of a Manchester firm, the other German. In the former there was an outline sketch of a still, followed by sizes and prices. The sizes were marked thus, "10 x 5," without even mentioning that these were inches. The German catalogue gave capacities in litres, and other information, such as the fuel to be used, the mode of putting together and working, both in French and German. Had the person requiring the still not been British born, the Manchester list would have been utterly useless, and the order would have gone to the German firm."

**THE DRUG-TRADE IN BRAZIL.**—The British Consul at Rio Grande do Sul, Brazil, has something interesting to say concerning the drug-trade in his district:—"Large quantities of patent medicines of every kind (he observes) are consumed here, also medicinal wines and syrups." In this respect Rio Grande is not singular. But the Brazilians have to pay dearly for their patents. "The duty on such articles is extremely high. Pills, granules, &c., irrespective of ingredients and cost, pay 62 milreis per kilo. duty; thus a pill costing 5s. a lb. pays more than eight times its value in duty. The medicinal wines and syrups are nearly all French; a small quantity is imported from the United States. Alkaloids and synthetic preparations are imported from Germany, owing to their being cheaper there. [This, we may say, is not necessarily correct. There are several British drug firms, we should think, who would be glad to sell at the same prices as the Germans.] Photographic chemicals and sulphuric acid are also imported from Germany on account of the lower rate of freight, but in photographic apparatus the French makes are chiefly used; plates are British, also bromide papers. There is a fair demand for these goods, the taste for amateur photography being on the increase in Brazil. Scents, fancy soaps, and toilet-preparations are sold in large quantities, but the almost total absence of British products is remarkable. French perfumery is preferred to all other kinds, because of the artistic bottles, labels, and attractive get-up of the goods, which are packed in elegant boxes, covered in what appears to be leather. The principal makers are Houbigant, Roger & Gallet, Legrand, Piver, Deleltrez, Pinaud & Lubin, and Jones, all of Paris. The quality of the goods is excellent. The duty on perfumery includes the weight of the bottles and cardboard box, but not of a wooden box. British manufacturers of drug and medicine bottles might with advantage take note of the superior make and finish of the bottles in which all medicinal preparations from Germany and France are sent to this State. The foreign capsules are also made as inviting as possible. Great care in packing is taken by German and French manufacturers, who export their alkaloids and fine chemicals almost without exception in non-actinic bottles, thereby preventing the decomposition of the substances.

The German preparations are in every case somewhat lower in price than the others. These small details of superior packing and finish of bottles are of importance, and much increase the sale of the article. Exporters of various drugs to Brazil should bear in mind that Brazilian medical men are accustomed to French and German methods of prescribing, consequently many British preparations are unfit for use here, sometimes on account of their strength being different from similar productions imported from the Continent. British fluid extracts are especially unsuitable, on account of their being rarely miscible with alcohol or water, while French fluid extracts are perfectly miscible."

## Australasian News.

**A MEDICAL VACANCY.**—An advertisement in the Australian morning papers recently called for applications for the position of dispensing medical man to the hospital at Goongahrie, Western Australia. "No quarters other than a comfortable tent; engagement for at least six months," were the attractions.

**THE AUSTRALIAN BILLS OF MORTALITY.**—The rate of mortality in Melbourne has dropped from 20.6 per thousand in 1887 to 14.3 in 1896, and the improvement seems to be definitely established, as the average since 1892 has been below 15, which is better than that of the large towns in England.

**THE C. & D. IN VICTORIA.**—The Australian correspondent of the *Pharmaceutical Era* writes to that journal:—"A very numerous attended meeting of Victorian pharmacists was held in Melbourne during March to consider the best means of dealing with the infringements of the Poisons Act. A lively debate ensued as to the admission of the press, the object of the Registrar of Pharmacy being to block THE CHEMIST AND DRUGGIST. The pharmacists present saw through the intrigue, and demanded that the representative of THE CHEMIST AND DRUGGIST should be admitted. After a stormy discussion it was resolved by fifteen votes to six that THE CHEMIST AND DRUGGIST should be admitted."

**THE SYDNEY "BULLETIN" ON PATENT MEDICINES.**—In a recent number the Sydney *Bulletin* had a two-column article on "The Great Patent-medicine Swindle." The principal allegation is that the sale of patent medicines is being pushed by means of testimonials, either so old that verification is impossible, or giving insufficient, or absolutely false, addresses. The man who passes a fraudulent cheque, says the *Bulletin*, is prosecuted. The man who obtains money under false pretences from the sick, and especially from the incurable, by means of testimonials that are not verifiable, is in as bad or worse a position, and ought to be punished even more severely. It is stated that in New South Wales patent medicines come in free of duty, and that the trade yields no revenue to the State. But the last number of the *Bulletin* contains over 160 inches of advertisements of patent medicines. These are charged at the rate of at least 5s. an inch, so that if the State gains no revenue from patent medicines, the *Bulletin* does, and to the tune of at least 1,500l. to 2,000l. a year.

**THE TRADE OF NEW GUINEA.**—The annual report of the Administrator of New Guinea informs us that the cultivation of sponges is being continued in the lagoons in the Conflict Group of Islets. A small quantity of ginger was exported in the year 1896. In the wild state there is plenty of it in the country. There is now a doctor at Samarai, but at Woodlark Island the increasing number of miners have to place their trust in the two great original physicians, Nature and Rum. As long as a man's constitution stands the strain of heavy drinking he seems to be immune from fever, in its virulent form at least, and with a little quinine pulls through. The storekeepers on Woodlark are earning fair fame on account of their hospitality. Their stores are hotel, hospital, club, all in one. Samarai is full of waiting miners, and will doubtless be one of the chief ports of call for the eastern half of Papua. Burns, Philp & Co. are making it their headquarters. On the coast they are building a jetty into the deep water, so that steamers will soon be able to load and unload without lighters. Years ago the firm settled on New Guinea, and they will now reap the reward.



## Pharmaceutical Society of Great Britain.

### COUNCIL MEETING.

THE Council had the air of a Government department on Wednesday—i.e., it was subdued and machine-like—and that is saying a good deal for a new Council. Mr. Warren is the new man upon it, and had it not been for a little speech of thanks to his constituency (which he seemed to have some difficulty in edging in), the onlooker might have forgotten that such a thing as an election had taken place, so consistent is the Council to itself. One old face smiled down upon the members while they deliberated—that of George Frederick Schacht. Mrs. Tabor's fine portrait of him has found a place on the west wall of the Council-Chamber, just behind the chair where he used to sit. It contrasts admirably with the portrait of Mr. Michael Carteighe alongside it, perhaps because the ex-President mellows better than his portrait. The business of the Council was not very important. Mr. Walter Hills's re-election as President was a foregone conclusion, and there was no dissentient vote, but much acclamation, when he announced, "Mr. Hills is duly elected President of the Society." Mr. Hills looks and acts now as if he had got a firm grip of the business, and he accepts the occasional and rare coaching from his predecessor with equanimity. The vice-presidency vote brought in Mr. G. T. W. Newsholme, of



THE NEW VICE-PRESIDENT.

Sheffield, as successor to Mr. John Harrison, of Sunderland. There have been few younger Vice-Presidents than Mr. Newsholme, few who are so generally liked. He has been a hard student of municipal administration during the past decade, and as business successor to the late Mr. Radley has greatly extended his wholesale connection round Sheffield. He succeeded Mr. Radley on the Council in 1887, and when he has spoken he has shown that he has opinions of his own. He is a Muter's man and an F.C.S. Mr. Hampson was re-elected Treasurer, and in acknowledging the honour hoped that he would soon have more money to spend—he is about 1,200% short at present, but it was the extra Minor guineas he had in view. The rest of the business was formal. Mr. John Harrison, in acknowledging a vote of thanks accorded to him for his services as Vice-President, was good enough to state that there had been singular administrative activity

in the Council work during the two years he had held office, as the following list of "great questions" settled shows:—

Reorganisation of the Research Laboratory.  
Reorganisation of the School of Pharmacy.  
Reorganisation of the *Journal*.  
The work of the Pharmacopœia Committee.  
The passing of the by-laws.

And the Council did not smile. Mr. T. P. Gostling was also thanked, and a few belated provincial resolutions supporting the by-laws were mentioned. The whole business occupied about an hour and a half.

All the members of the Council, except Mr. C. J. Park, of Plymouth, were present, viz.:—

C. B. Allen, Kilburn, N.W.	J. Johnston, Aberdeen
S. R. Atkins, Salisbury	W. Martindale, New Cavendish Street, W.
T. Bateson, Kendal	G. T. W. Newsholme, Sheffield
A. Bottle, Dover	A. L. Savory, New Bond Street, W.
M. Carteighe, New Bond Street, W.	A. Southall, Birmingham
O. Corder, Norwich	D. Storrar, Kirkcaldy
W. G. Cross, Shrewsbury	Charles Symes, Liverpool
N. M. Grose, Swansea	W. Warren, Covent Garden, W.C.
R. Hampson, Sevenoaks	J. R. Young, Warrington
J. Harrison, Sunderland	
Walter Hills, Oxford Street, W.	

Mr. Hills occupied the chair, and Mr. Harrison the vice-chair. The minutes of the May meeting and of the Council meeting on the annual meeting day were approved. At the latter meeting several persons were restored to their former status in the Society, and the business of the annual meeting was arranged.

### MR. WARREN SPEAKS THANKS.

Mr. W. WARREN, the new member of Council, said he was not exactly a new member, as he had been there before; but he wished to heartily thank those who had placed confidence in him by returning him again. The best thanks he could give was to do the work of a London member, which did not mean talk; and without being subservient he hoped to give loyalty to his chief, and that without unnecessary parade of independence. Outsiders might not be pleased with that way of working, but experience convinced him of its correctness, and he felt that whatever good the Pharmaceutical Society did could not help being shared by those without, both materially and morally. (Hear, hear.)

### ELECTION OF PRESIDENT.

Of the twenty present, nineteen cast votes for Mr. Hills, and a blank paper was returned. Mr. HILLS, in accepting office, said he was deeply sensible of the great honour his fellow-councillors conferred upon him, and he specially appreciated the unanimity of the vote. He had now twelve years' experience—(laughter)—he meant twelve months—and found that the duties were not inconsiderable, but they were rendered light by the support of his colleagues. Relying upon that, he could take up the duties again with the hope of accomplishing something for the furtherance of pharmacy. (Applause.)

### THE VICE-PRESIDENCY.

For this office the votes were distributed as follows:—

G. T. W. Newsholme	...	...	16
C. B. Allen	...	...	1
N. M. Grose	...	...	1
A. Southall	...	...	1
A blank paper	...	...	1
			20

Mr. Newsholme was declared elected, and Mr. Harrison, shaking hands with him, vacated the vice-chair on his behalf.

Mr. NEWSHOLME thanked the Council very much indeed for the great honour they had done to him. He recalled the fact that he came on the Council in the year of the last Benevolent Fund dinner, and it was gratifying to him, in view of the fact that the Vice-President of the Society had so much to do with the Benevolent Fund, that so substantial an increase had been made to the fund by the recent dinner.

C—D

He was conscious of his incompetence to fill the chair so ably as his distinguished predecessors, such as Atkins and Schacht; but although they were brilliant men, he would say that none was more loyal to the Society than he. (Applause.)

#### THE TREASURERSHIP.

One person wished to entrust Mr. C. B. Allen with the cash-box, another hoped Mr. Harrison would get it, but eighteen voted that Mr. Hampson should still retain it, and there was acclamation.

Mr. HAMPSON, acknowledging, remarked that he needed not to say that he would take care of the money entrusted to him, and he hoped that money would be an increasing amount in the near future, for there was much work to be done by the Society for all who are in it and outside. (Applause.)

#### OTHER APPOINTMENTS.

Mr. Richard Bremridge (Secretary and Registrar), Dr. B. H. Paul (Editor), Mr. John Humphrey (Sub-editor), Mr. J. Rutherford Hill (an Assistant Secretary in Scotland), and Mr. E. M. Holmes (Curator of Museums) were reappointed to their respective posts.

Professors Bayley Balfour and Gibson, and Mr. T. Maben were appointed to conduct the Council prizes' examination in July.

Messrs. Arkinstall, White, and Pinches were appointed to conduct the Jacob Bell and Manchester Association Scholarship examination in July.

#### DEATH OF SACHS.

The PRESIDENT reported the death of Professor Julius Sachs, the distinguished botanist of Würzburg, an honorary member of the Society. He referred to his work, and proposed to write a letter of sympathy to the relatives, which the Council approved.

#### ELECTIONS, &c.

were then proceeded with, and the committees of the Council were arranged.

#### THE DIAMOND JUBILEE.

It was agreed to present the Queen with an address on the occasion of her Diamond Jubilee. The address will have the corporate seal of the Society attached to it.

#### BENEVOLENCE.

One grant of 12% and another of 10% were recommended by the committee. One case was deferred. Later on a payment of 30% on behalf of the Minnett orphan was authorised.

Mr. HARRISON, who presided at the committee meeting, commented on the report, and expressed gratitude for the liberal response there had been to the decennial appeal.

The PRESIDENT stated that 262 persons had dined at the Hotel Cecil on May 18, and the tickets taken by stewards (some of whom did not attend) sufficed to pay all expenses connected with the dinner, and more. The sum so far received is 2,175%, but the list will remain open all this month, to give those who have not contributed an opportunity of so doing, as 2,500% is wanted.

#### FINANCE.

The gist of the report of the committee which met on Tuesday is subjoined.

General Fund account balance, April 30	...	£1,427
Received during May	...	826
		2,253
Paid during May	...	1,717
Balance	...	536
Money now required for accounts, &c.	...	1,700
Deficit	...	£1,164
Benevolent Fund balance	...	£785
Donation account balance	...	614
Orphan Fund account...	...	138

Except a payment of 255% 19s. 8d. on account of law-

expenses, all the demands on the general fund were of the usual monthly character.

The library, &c., report followed; then came the vote of

#### THANKS TO MR. HARRISON.

The PRESIDENT proposed it amidst acclamation. He said all the Councillors knew Mr. Harrison's qualifications for the vice-presidency, and how well he had discharged the duties. He felt that his eloquence and his business capacity deserved their warm thanks.

Mr. CARTEIGHE, as President during the first year Mr. Harrison held office, said that he had shown an amount of self-denial in the way he had fulfilled the duties of the Vice-President's office which called for their gratitude. He conceived it to be an advantage to the Society to have a non-resident member in that office, but it meant for the member who occupied it that he led the life of a bagman, travelling frequently to London and Edinburgh for examinations and other things. He must be a good business man, know the ropes, and be in touch with his chief; and, Mr. Carteighe added, all the time he had been in association with Mr. Harrison he felt that he had never seen, nor had anyone ever seen, a more businesslike man in the position. (Applause.)

The VICE-PRESIDENT supported the motion, referring in complimentary terms to Alderman Harrison's municipal experience.

Mr. HARRISON, in replying, said that he stood in a unique position, in that the resolution was proposed by two Presidents. The two years in office had been very pleasant to him, and during them he had learned many valuable lessons regarding the Society's work. Although they had not shown that legislative activity which his friend Mr. Southall might desire, still they were two years of singular administrative activity in various directions, and he recalled these pieces of important work that had been done—viz., the reorganisation of the Research laboratory, the reorganisation of the School, the reorganisation of the *Journal*, the work of the Pharmacopœia Committee, and last, but not least, the new by-laws. They had settled all those great questions to the satisfaction of the Society at large. (Hear, hear.)

#### MR. GOSTLING ALSO.

A vote of thanks was also accorded to Mr. Gostling, who has finally retired from the Council. He served as Vice-President in 1886-87. The PRESIDENT put the motion, the VICE-PRESIDENT seconded it, and Mr. ATKINS supported it—all in complimentary terms.

#### CORRESPONDENCE.

Mrs. Attfield asked the Council's acceptance of a portrait of her husband, until lately Professor of the Society. It was agreed to thank her.

The Liverpool Pharmaceutical Students' Association thanked the Council for a grant.

The Edinburgh Chemists', Assistants', and Apprentices' Association also gave thanks for permission to meet in the York Place House.

Plymouth students and Swansea chemists (as far as they are represented in the associations there) supported the by-laws which have recently been adopted by the Society.

This was all the public business.

**GLASS WEIGHTS.**—The Swiss Government has recently sanctioned the use of weights made from a special composition glass. The new weights are slightly conical in shape, with rounded bottom, and carefully annealed to reduce breakage. The advantage lies in their cleanliness, resistance to air and fluids, and wearing qualities.—*New England Druggist*.

A BOY OF THIRTEEN, whose father got a certificate from the Massachusetts Board of Pharmacy, exclaimed on seeing the certificate that the Board had put hydrastis upon it. His father asked what he meant. He replied, "Don't you see the Golden Seal?"—*The Spatula*. [We put this down that our Pharmaceutical Society may take a hint from the punster, and replace the shabby bit of blue paper with gilt.]



## Legal Reports.

### THE PHARMACY ACT.

#### ANOTHER SCOTCH CASE—THE DOCTOR RETALIATES.

IN Airdrie Sheriff Court on May 28, John Young, assistant to John Harvie, chemist and druggist, Airdrie, was charged before Sheriff Mair with having contravened the Pharmacy Act, in that, not being registered, he, on February 13, sold by retail to Jane Lees a quantity of red oxide of mercury, which formed an ingredient in a red precipitate ointment, and to James Lees a quantity of morphine and of chlorodyne.

Mr. Morison, advocate, Edinburgh, conducted the prosecution on behalf of the Registrar of the Pharmaceutical Society; Mr. William Orr, solicitor, Coatbridge, defended. Respondent pleaded not guilty.

Mr. J. Rutherford Hill, assistant-secretary to the Pharmaceutical Society, said he had received certain of the productions in this case on April 24 last from a clerk in the employment of Mr. Brock, solicitor, Bath Street, Glasgow, who was a witness in the case. The bottle produced was marked "Balsam of Horehound and Chlorodyne," with the name "John Harvie, Chemist and Druggist, Stirling Street, Airdrie." It had been sealed, and bore the names of James and Jane Lees. The other production was a box of ointment, signed by the same parties. The box contained about  $\frac{1}{2}$  oz. of ointment, which on analysis he found contained about 30 gr. of red oxide of mercury, a scheduled poison. In the bottle, the contents of which he also analysed, he found at least  $\frac{1}{2}$  gr. of morphia, and 10 minims of chlorodyne. Respondent's name did not appear on the register of chemists and druggists.

Cross-examined: Both the bottle and the box were full when he got them from Mr. Brock's clerk, and there was no evidence of any tampering with them.

The Sheriff: This complaint is brought under sections 1 and 15 of the Act. Does the respondent come under the latter section?—Yes, my Lord.

In what way? Does he "keep open shop"?—He sells poisons.

Did he get the benefit of the sale? He is called an assistant to John Harvie; do I understand that the shop belongs to him?—I do not know. John Harvie is a registered chemist.

Then do you mean to say that a man, being an assistant in the shop, selling a preparation containing a poison falls under the Act?—Yes.

Can you give me a case of that?—Yes.

Mr. Morison referred his Lordship to the Wheeldon case (Queen's Bench), and said he would argue the point later on.

Mr. Brock, writer, Glasgow, said on March 23 Dr. Arthur, Airdrie, delivered to him the productions in this case—the bottle and the box of ointment. James Lees and his wife were present. The productions were kept under lock and key in the state in which he received them until he handed them over to his clerk to forward to the Pharmaceutical Society.

By Mr. Orr: He could say positively that they were not interfered with while they were in his possession.

Mr. Orr: Will you tell me, Mr. Brock, what interest you have in this matter?—I decline to answer that question.

Mr. Orr pressed the witness further on this point, but Mr. Morison objected to such questions, as they had no bearing on the case. Mr. Orr said the cases were brought in the public interest, and he wanted to know what interest this party had in this particular case. Mr. Morison said even if he had a strong animus or bad motive in giving the information, the evidence must be judged on its merits. Mr. Brock then volunteered the statement that he got up this case to show that the statements he had made in recently defending the lad Lees before his Lordship were perfectly true, and he thought that motive was a perfectly legitimate and good one. In further reply to Mr. Orr, he said the articles were in his possession until he forwarded them by post to Mr. Bremridge. They were in his safe for several weeks, and only his partner and himself had access to the safe. Charles Simpson, clerk to Mr. Brock, spoke to having taken the productions to Mr. Hill in Edinburgh. Mr. Hill opened them in his presence.

Dr. Hugh Arthur, Airdrie, gave evidence for the Society. He said Mr. and Mrs. Lees brought the productions to him on February 15, and he sealed them, and saw the labels signed in the presence of his shopman and the purchasers. He in no way tampered with them before he transferred them to Mr. Brock.

In reply to Mr. Orr,

Dr. Arthur explained that the son of Mr. and Mrs. Lees had been summoned for selling poisons the previous day, and they knew very well that there had been statements made by Councillor Harvie, which had appeared in the public prints and in a letter sent to the Town Clerk, about Dr. Arthur preparing medicines at the hospital.

Mr. Morison: I repeat my objection to this sort of thing being gone into.

Mr. Orr: I think Dr. Arthur is doing beautifully. (Laughter.) He is showing the motive.

Dr. Arthur, continuing, said an attack had been made upon him, and he must defend himself. He might have been a party to it, but it was his shopboy who had said that Harvie's people were doing this sort of thing, perhaps more than anybody else.

James Lees and his wife also gave evidence; and Thomas Russell, solicitor's clerk, of Airdrie, gave evidence as to Mr. Harvie, respondent's employer, being at a School Board committee-meeting at the time of the purchase of the poisons.

Cross-examined: Mr. Harvie's name was in the sederunt; but he might only have looked in for five minutes, and gone away again.

James Bain, registered chemist, Glasgow Apothecaries' Company, formerly with Dr. Arthur, spoke to having witnessed the productions labelled and signed in Dr. Arthur's shop.

Mr. Morison submitted that the complaint had been clearly proved. The irrelevant matter introduced did not affect the case. It had been suggested in various ways that these prosecutions were not dictated in the public interest, and there had been certain suspicions attached to the prosecutor. He wished to say that nothing of that kind entered into his duty in enforcing the statute. He was, as the servant of the public board, appointed to institute prosecutions for infringements of the Act, and when he received information as to infringement, no matter from whom, he was bound to take proceedings. Having reviewed the evidence, and quoted authorities on points of law, he urged that, as several cases had now been decided in that court, justice would not be done in this one unless the full penalty of 5*l.* were imposed.

Mr. Orr admitted that the Society had no other course open to them than to bring this prosecution, but there were motives in bringing it which he questioned very seriously. The parties who had been acting behind the scenes in this case had been influenced by spleen, and he thought this should be sufficient to taint the prosecution. He commented also on the fact that the articles had been sent to London, where they could not say what had been done to them.

Sheriff Mair, in giving judgment, said that whatever his individual opinion was as to this Pharmacy Act of 1868, he must hold himself bound by the decisions quoted by Mr. Morison in the Supreme Courts of England and Scotland. In view of these decisions there could be no doubt that the respondent fell under the Act; and on the evidence he thought there was no doubt the poisons had been sold by the respondent. He differed from Mr. Orr in his argument that Mr. Harvie being a qualified chemist the burden of proving that he had not been present superintending the sale lay with the prosecution. From the cross-examination his Lordship had anticipated that Mr. Harvie would have been called as a witness, but he had not been. His Lordship did not think that in a case like this they had anything to do with the motives that led to the prosecution; nor did he doubt that the articles had been kept intact. He imposed a fine of 5*s.* for each of the two offences, and allowed 10*s.* of expenses.

#### THE WOOLWICH "KNOCK-OUT" SALE.

ON May 29, before Mr. Justice Grantham and Mr. Justice Wright, in the Queen's Bench Division, the case of *Leopard v. Litoun* was heard as an appeal from the decision of the Deputy County Court Judge at Woolwich, who had non-



sued the plaintiff. Mr. Forman represented the plaintiff, who was now the appellant, while the defendant appeared in person to oppose the appeal.

Mr. Forman stated that in November last the Government held a sale by auction of surplus stores at Woolwich Arsenal. Among the lots sold was one consisting of four cases of sweet spirit of nitre. Prior to the sale it was arranged between the plaintiff and defendant that they should not bid against each other, that the defendant should purchase the goods, and that after the sale they should agree as to how it should be disposed of. The defendant bought the goods for 5*l.*, and it was subsequently arranged that he should sell the goods to plaintiff for 6*l.*, their value being stated to be 13*l.* 10*s.* The defendant failed to perform his contract, and the plaintiff brought the present action. At the trial the Deputy County Court Judge held that the arrangement between the parties prior to the sale was a conspiracy to cheat the Government, and non-suited the plaintiff. Counsel now contended that there was no conspiracy, and that the Deputy County Court Judge was wrong in non-suiting the plaintiff.

Mr. Justice Wright could see nothing illegal in what the parties did. The Government should have employed a "puffer" or put on a reserve price. The Court of Chancery permitted the employment of a "puffer" within certain limits.

Mr. Forman contended that even if there was a conspiracy it did not affect the subsequent contract, and therefore his client was entitled to judgment for 7*l.* 10*s.*, the value of the goods being 13*l.* 10*s.*

Mr. Justice Grantham said the case must go back to the County Court to be heard. The Deputy-Judge was wrong in his law, and to enable him to come to a decision on the facts he must hear the evidence. He had great pleasure in coming to this conclusion. He understood that the parties had already spent something like 20*l.* in costs, and they would now have an opportunity of spending still more money. He hoped the case would cost the parties ten times the profit they originally intended to make. The costs would abide the result of the trial.

#### RIVAL FIG-SYRUPS.

ON Friday, in the Court of Appeal, before Lords Justices Lindley, Lopes, and Rigby, Mr. Moulton, Q.C., with whom was Mr. Bramwell Davis, Q.C., and Mr. Sebastian, appeared on behalf of Taylor's Drug Company in support of an appeal from a decision of Mr. Justice Kekewich restraining them from the use of the word "American" in connection with their fig-syrup as being calculated to deceive the public that the article so named was a preparation of the California Fig-syrup Company, who were the plaintiffs in the action. Counsel said the short ground of the appeal was that the names designating the different preparations were so dissimilar as to prevent possibility of deception. There was no question as to "get-up," the only question being as to the names. The plaintiffs were an American company having a depot in England, and they sold syrup of figs under the name of the "California Syrup of Figs." The defendants' chief place of business was at Leeds, but they had shops in a number of towns, and about 1895 they commenced to sell fig-syrup which they called "the American Syrup of Figs," which purported to be manufactured by the American Syrup of Figs Company. No one could possibly come to the conclusion that "the American Fig-syrup" could be mistaken for "the Californian Syrup of Figs"; but the plaintiffs had laid a series of traps by means of which they hoped to catch the defendants, but in all of their attempts, he contended, they were signally unsuccessful. The plaintiffs knew it would be no use asking for California fig-syrups, so they instructed their men to go to the defendants' shops and ask for California American syrup of figs without the slightest evidence that any human being had ever asked for it in that way. There was not one clear case in which the plaintiffs had asked for California syrup of figs, and had been supplied with any other preparation. There was no evidence that the plaintiffs' syrup was known as the American syrup of figs, or that it was asked for in that way. Syrup of figs was made by many firms in America, and was retailed by people in this country. He submitted that the term "American" as used by the defendants was not misleading, and that the

plaintiffs were not entitled to the injunction which had been granted.

Mr. Bramwell Davis, Q.C., followed on the same side, and pointed out that the plaintiffs themselves strongly insisted upon the use of the word "California" when asking for their syrup. In their own advertisements they stated: "It is no use asking for 'syrup of figs'; ask for 'California syrup of figs,' and see that you get it." That being so, how could people be deceived by the defendants' "American syrup of figs"?

Mr. Cutler, Q.C., in support of the judgment in the Court below, maintained that the plaintiff company were the only American company doing business in fig-syrup in England, and that they were therefore entitled to restrain the defendants from using the word "American."

Lord Justice Lindley: What strikes me as odd is that your fig-syrup has always been called California syrup of figs, and you have insisted upon the word "California" strongly. Are people likely to be confounded that with American fig-syrup? If there had been a similar get-up one could have understood it. It is a question of passing off, after all is said and done.

Mr. Cutler said, when the circumstances of the case were taken into consideration, the plaintiffs were entitled to say that the term "American" was likely to deceive. There was no objection to the defendants selling fig-syrup; anyone could do that, but why did they sell this syrup under the fictitious name of the American Fig-syrup Company instead of Taylor's Drug Company?

Their Lordships, without calling upon Mr. Bramwell Davis in reply, allowed the appeal with costs. Lord Justice Lindley did not consider there was any evidence that the defendants had passed off their goods as the goods of the plaintiffs. The whole virtue of the plaintiffs' trade-mark was the word "California," and it was preposterous to assert that the word "American" was similar in appearance or sound to "California," or would lead people to believe they were getting "California syrup" when they were supplied with "American syrup." He thought the learned Judge in the Court below had arrived at a wrong conclusion, and was of opinion that there was no case for an injunction.

#### LABEL ACTION AGAINST MESSRS. STEVENSON & HOWELL.

BEFORE Mr. Justice Cave and a special jury in the Queen's Bench Division of the High Court, on Tuesday, an action was tried in which Messrs. Stevenson & Howell, the well-known chemists and essence-distillers, of Southwark Street, were sued for damages for an alleged libel upon Mrs. Catherine Pooley, trading as Pooley & Co., mineral-water manufacturers, of 175 Queen's Road, Plaistow. Mr. Matthew Harris, Q.C., was counsel for the plaintiff, and Mr. C. A. Russell, Q.C. (son of the Lord Chief Justice), for the defendants. There were a couple of juniors behind each of the Q.C.'s, and the case generally appeared to excite a good deal of attention, as the court was crowded throughout the five hours it lasted. The alleged libel was contained in a letter which the defendants admitted having written to the *Mineral Water Review*, asking "all creditors of Pooley & Co." to communicate with them. This, said counsel, imputed approaching bankruptcy. The printer (Mr. Hepworth) was also sued, but that was a separate action independent of Messrs. Stevenson & Howell. The evidence showed that in 1885 the husband of the plaintiff became bankrupt, and some friends of the family purchased the plant and stock and gave it to the plaintiff, so that she might carry on the business for the benefit of herself and nine children. She appointed her husband's manager, and carried on the business under the title of Pooley & Co. The plaintiff added to her plant by purchasing about 500*l.* worth of machinery respectively from Messrs. Dan Rylands and the Riley Manufacturing Company. A bill of sale was given in respect of the last-purchased machinery, but not until that in respect of the first machinery was cleared off. The defendants gave the plaintiff credit to the extent of 9*l.*, but failing to get this after repeated applications, they got judgment in the Southwark County Court. When, however, they sought to realise upon this judgment they were met by the aforesaid bill of sale. An arrangement was come to later on that the plaintiff should have goods from the defendants for cash, but that at every transaction 10*s.* in addition should be paid off the old debt and costs (12*l.*). One payment only



in this way was made, and then the business transactions ceased. Hearing that there were other creditors in a similar position to themselves, the defendants resolved to ascertain details, and consequently asked the editor of the *Review* to insert the letter mentioned. The plaintiff was called and examined at length as to her business transactions. She admitted the bill of sale, and also her struggles to pay off judgment and other debts, as well as 7% per month for the machinery from Riley's. She declared that the libel stopped her credit, and lessened her takings from about 20% to 12% per month. She also held that there was no justification for the insinuation of insolvency. Mr. Russell, Q.C., cross-examined the plaintiff at great length as to her indebtedness; and then Mr. Harris, Q.C., called Mr. Richard Henry Bengier, traveller for W. H. Bush & Co., of Bishopsgate, who gave details of his transactions with the plaintiff. She was clear on his books in 1895; but he gave her credit until he saw the letter in the *Review*, and then, in his discretion he stopped it. Up to that time the plaintiff was paying him satisfactorily. Mr. Chas. Reynolds Riley, one of the partners in the Riley Manufacturing Company, deposed to the purchase by the plaintiff of machinery, for which she gave a bill of sale. He saw the letter in question, but was not affected by it, because his debt was secured. Mr. John Bullwinckle, of Idol Lane, City, said that he had given the plaintiff credit to the extent of 30% for sugar; but he certainly did not care to increase the debt after seeing the letter. Mr. Chas. Clarkson, accountant, gave the figures he had got through going over the stock, plant, and general assets of the plaintiff, and found assets 1,700%, and liabilities about 700%. This was as estimated from the cost of all that was movable. (The value of two dogs—30s.—was received with laughter.) In addressing the Court for the defence, Mr. Russell commented strongly upon the fact that the husband of the plaintiff had not been called—into whose pocket, he said, the damages, if any were given, would go. What, he asked, was the motive for the letter in question? Not to injure any person, but to make inquiries on a legitimate question of business. Mr. Joseph Foley, a traveller in the employ of Messrs. Stevenson & Howell, said he had the transaction with the plaintiff. He supplied the goods and tried to get the money. When he asked for the money he was told by the plaintiff that there was a bill of sale on the goods, and the broker's men, who were already in for another debt, would have to go out. Mr. James Hewson, one of the managers to the defendants, admitted writing the letter in question (or, at any rate, dictating it), and was good-humouredly advised by the Judge to write no more libels. Several witnesses were called, including a traveller to Sir Joseph Causton, who said he had a heavy bill for printing which he had never got settled, and Mr. Brain, bottle-manufacturer, who also had an unpaid bill. Mr. Chas. E. Colston, London agent to Mr. Hay, of Hull, said he had an unpaid account of 20% odd, which had been owing since July of last year, and which he had unsuccessfully applied for. Judgment was signed for 19% 10s. in October, 1896. The Judge: That was after the libel. Mr. Harris, Q.C., in his last speech to the jury, pleaded for the woman who had struggled to keep herself, her nine children, and her husband, and rather dramatically denounced the defendants. The Judge, in summing up, said the short point for the jury was as to whether the plaintiff was commercially solvent or not when the letter was written. There were many persons who, if asked to pay all their liabilities in full at any given moment, might not be able to do so; but if given time they might be able to do so. The jury would also have to consider whether any special damages had been proved in this case. The jury considered the case without leaving the box, and gave a verdict for the plaintiff, damages one farthing.

#### SALE OF FOOD AND DRUGS ACT.

##### SEALING UP AN EMPTY BOTTLE.

At the Merthyr Police Court, on Monday, Mr. R. P. Rees, chemist, of High Street, Dowlais, was summoned for selling tincture of cinchona which the public analyst for Glamorganshire certified was deficient in alkaloids to the extent of at least 70 per cent. of the quantity which should have been present. Mr. C. Kenshole, who appeared for the defence, submitted that the case must fail as the Act of Parliament

had not been complied with by the public analyst. Section 15 provided that if the seller or his agent did not accept the offer of the purchaser to divide the article, the analyst receiving it must divide the same into two parts, and seal or fasten up one of them, and retain the same for production in case further proceedings should be taken in the matter. Here the analyst had used up the whole of the sample, and had carefully sealed up an empty bottle. Evidently the intention of dividing was that when the case came before the Magistrates, if any question of adulteration arose, the vendor, with the assent of the Justices, might forward the article to Somerset House. The Stipendiary (Mr. North) said the case must fail on the ground raised, and the summons was therefore dismissed, with one guinea costs against the county. Mr. Kenshole said he had a good answer to the case on the merits; moreover, there was no provision that the tincture should contain any specified quantity of alkaloid.

#### SPIRIT OF NITROUS ETHER.

At Northfleet Police Court last week, Charles R. Sharman, chemist and druggist, Northfleet, was summoned for selling to Superintendent Lacy 4 oz. of spirit of nitrous ether which the Kent county analyst (Dr. Adams) certified to be deficient in its active principle—namely, nitrous ether—containing only 1.36 part per cent., whereas by the British Pharmacopœia it is required it should contain 2 per cent. Dr. Matthew Algernon Adams, public analyst for the county, who had been called as a witness for the prosecution, at the request of the defendant's solicitor, for the purpose of cross-examination, said he had held his position as county analyst for over twenty years. He was often engaged in analysing nitrous ether. He did not take the specific gravity of the sample, because he thought it unnecessary. He gave a lengthy description of the analysis. In reply to Mr. Chambers, who defended, Dr. Adams said the Pharmacopœia required that the nitric-oxide gas given off should be five to seven times the bulk of the sample operated upon. He made two experiments each time with three measures of the spirit. In the first the gas measured 11.4 volumes and in the second 11.3 volumes. He made an allowance of 1.5 volume for the proportion held in solution, which was an extreme allowance. Mr. Chambers asked Dr. Adams further on what authority he asserted that nitrous ether was the active principle of the drug. Witness: It is a fact, sir, and I say on my authority and experience, and on that of the whole of the profession, that it is the essential. Mr. Chambers maintained that the real effect upon the patient is from the spirit of wine contained. The ordinary purchaser, he said, does not care a rap about the infinitesimal quantities of nitrous ether. It is the predominance of spirit of wine which he looks for. Mr. Chambers, in addressing the Bench for the defence, argued that according to the analyst's figures the result of the test of defendant's sample was 4.3 instead of 5 volumes. Nitrous ether would evaporate at a low temperature, and to this he attributed the disparity in the samples taken from defendant's shop, because it was sold from a bottle which was often unstoppered throughout the day in order to serve customers. Dr. B. H. Paul, F.I.C., F.C.S., &c., who had analysed the defendant's sample, said it was in a fairly well closed, but not a stoppered bottle, sealed with the seal of that Court, and signed "G. Lacy." He received this on May 17. The sample was taken on April 20. He analysed this as directed by the British Pharmacopœia, looking for volumes of gas, which was the proper way to test the same. He found that 5 c.c. gave a volume of gas, which, after being corrected by temperature and pressure as mentioned in the British Pharmacopœia, measured  $20\frac{6}{10}$  centimetres, equal to 4.1 volumes of gas from the spirit. Unless the conditions were observed correctly the gas might contract or expand. He also made a normal allowance for the solubility of  $1\frac{1}{2}$  centimetre of gas on five measures. That was the regular amount. Had he taken three measures he would have got an incorrect result, because five measures was the correct quantity to take. Had he taken three measures a large correction for solubility would have to be made, therefore the county analyst had not allowed enough. The smaller the amount analysed the greater would be the error. According to the figures of the county analyst the volume of



gas was 4.3 each measure. The specific gravity was one of the characters which should be taken into account, because it indicated sometimes the quality. The result he gave for gas measured at 60° F., taking Dr. Adams's observed data and calculating, was 1.62. Dr. Adams had made it 1.36. What Dr. Adams gave as 2 per cent. should have been 1.88. This preparation was notorious for its instability, and as an example of this he gave the results of a second analysis, made on May 22, when there was a considerable difference. Taking Dr. Adams's figures or his own, the sample was within the limits prescribed by the Pharmacopœia. Spirit of nitrous ether contained about 85 or 90 per cent. of spirit of wine. In a dose of  $1\frac{1}{2}$  dr. there would be about  $\frac{3}{10}$  gr. of nitrous ether, which was hardly appreciable. The case was adjourned for three weeks, for the analysis of the third sample to be made at Somerset House.

#### WEAK LAUDANUM.

AT Nottingham Summons Court on May 26, James L. Lord, of 55 Upper Parliament Street, Nottingham, chemist, was summoned for selling, on March 10, 4 oz. of tincture of laudanum, which the public analyst reported to be 63 per cent. deficient in alcohol and 90 per cent. in morphia. Mr. Acton (a Magistrate) asked how it was that the case had not been brought up until then, considering that the date of the offence was March 10. Mr. Day, who prosecuted for the Town Clerk, said the case had been delayed owing to the illness of Inspector Byrns. Inspector Byrns said that on March 10 he sent a boy into the defendant's shop for a pennyworth of laudanum, and when he came out went in himself and asked for 4 oz. of laudanum. The defendant served him, and demurred, asking him to let him filter it, which he would not agree to. The defendant's assistant came into the shop, and remarked that the laudanum was B.P. strength. By Mr. Acton: He was served out of the same bottle as the boy. Dr. Boobbyer, medical officer of health for the borough, stated that a few days previously the defendant came to him at the Guildhall. Witness told him he should not have done so, as the case was practically out of his hands; but the defendant made a statement to the effect that he had made the laudanum with water and not spirit, and that he objected on moral grounds to selling the poison as it was commonly sold. It was not sold in that condition, however, at his branch shops, but only at his central shop. By Mr. Allen (who defended): It was impossible for him to get a wrong impression of the statement. He was acquainted with the methods of adding the spirit after seven days, but in his opinion the only correct method was by the British Pharmacopœia formula. Mr. Allen said he did not dispute that the article was not up to the proper standard, but Dr. Boobbyer had certainly got a wrong impression of Mr. Lord's statement. He would call Mr. Lord and his assistant, who was present when the purchase was made, who would prove to the Magistrates that the laudanum was sold as an incomplete article. It had only been made the day previously on a formula by which the opium was placed in water for several days, and the spirit afterwards added. The defendant said he served the boy reluctantly, telling him that he objected to sell laudanum. He had only a few drachms in a 20-oz. bottle. When the inspector came in he told him he did not sell much laudanum, and it was rather unfortunate that he had not any but imperfect laudanum. He explained his position, but had to submit to the demand. He hesitated as to what label to put on the bottle, but decided to place on a laudanum label. His assistant, he believed, made some casual remark with reference to the B.P. formula. By Mr. Day: He served the boy out of the same bottle as the inspector, but when the latter came in his assistant went to a back room and filled up the vessel with the imperfect preparation. By Mr. Acton: He had moral objections to selling laudanum. Mr. Acton: Your moral grounds do not carry you far enough. The law requires you to sell the article up to a certain standard. The shop-assistant also gave evidence, and the Magistrates imposed a fine of 5*l*.

#### COUNTY COURT CASES.

##### DELAYING EXECUTION OF ORDERS.

IN the City of London Court, on Monday, before Mr. Assistant Registrar Tattershall, Mr. C. Sherwood, trading as

Charles Grant & Co., of 4 Cotton Street, Australian Avenue, E.C., sought to recover 2*l*. 10*s*., being the price of certain ammonia and perfumery supplied to the order of the defendants, Messrs. Hoare & Kilby, general dealers, Sutton, Surrey.

The plaintiff said that when the order was given on February 11, he was instructed to have the ammonia and perfumery delivered in March. The goods were sent to the defendants at the end of March, and were refused.

The defendants' solicitor said the defendants carried on business in a large way. They considered that when a traveller went round to obtain orders the goods ordered should be delivered within a reasonable time. When the order was given to the plaintiff nothing was said about the goods being delivered in March. They were expected, of course, within the next few days, or eight days at the outside.

Mr. Kilby, one of the defendants, said that, in reference to the ammonia, he told the traveller they had been in the habit of selling Scrubb's. The plaintiff explained that his article was cheaper, thus securing the order. It was not true to suggest that he stipulated March for the delivery. As the goods did not come within a reasonable time he had to buy elsewhere, and accordingly refused the plaintiff's goods when they were tendered.

The plaintiff, recalled, said he delivered the goods in March because it was the defendants' wish, and he (plaintiff), having been very busy, could not deliver them before. Mr. Assistant Registrar Tattershall said that he was unable to help the plaintiff. His own letters, read in the course of the case, were against him. There must be judgment for the defendants, with costs.

#### ILLEGAL SALE OF BENZOLINE.

AT Chertsey Petty Sessions, on May 26, Mr. Stephen Brown, of Weybridge, was summoned for infringing the Petroleum Act. Inspector Cliffe purchased twopennyworth of benzoline at defendant's shop on May 3, and the bottle in which it was enclosed was not labelled in accordance with the Act. He subsequently inspected the premises, and found a drum labelled "Rectified petroleum spirit; highly inflammable." Defendant possessed no certificate for the sale of the oil. Defendant, who said he was unaware that it was necessary to have a certificate, was fined 3*l*. and costs.

#### THE DENTISTS ACT.

IN the Court of Appeal on June 1, before the Master of the Rolls, Lord Justice A. L. Smith, and Lord Justice Chitty, Mr. Isidore Spero appealed from a decision of the Queen's Bench Division (Mr. Justice Hawkins and Mr. Justice Wright), in regard to an application he had made for a *mandamus* against the General Council of Medical Education commanding them to place his name upon the Dentists' Register. The prosecutor was articulated in April, 1875, to a duly qualified dentist, to whom he paid a premium of 30*l*., and from whom he was to receive a complete dental education. The period of his articles expired in October, 1878. In July, 1878, the Dentists Act was passed. Section 6 of that Act, by sub-section *e*, provides that every person shall be entitled to be registered under the Act who "is at the passing of this Act *bona fide* engaged in the practice of dentistry or dental surgery." Section 7 provides that a person shall not be registered under the Act under sub-section *e* of section 6 unless he produces or transmits to the Registrar before August 1, 1879, information of his name and address and a declaration signed by him in the form provided in the schedule of the Act, or to the like effect. Section 37 provides that "any person who has been articulated as a pupil and has paid a premium to a dental practitioner entitled to be registered under the Act in consideration of receiving from such practitioner a complete dental education shall, if his articles expire before January 1, 1880, be entitled to be registered under the Act as though he had been in *bona-fide* practice before the passing of the Act." The prosecutor claimed for the first time to be registered in 1888, and the Council refused his application on the ground that he had failed to make his declaration before August 1, 1879. The question was whether the requirement of section 7 applied to persons who claimed to be registered under section 37. The



Divisional Court held that it did so apply, and refused to grant a *mandamus*. The Court of Appeal supported the judgment of the lower Court.

## Bankruptcies and Failures.

*Re* CHARLES MONTAGUE, otherwise CHARLES ASHLEY, otherwise NAPOLEON HIRSCHFELD, late of Red Lion Square, Holborn, Patent-medicine Proprietor.

A SITTING for the public examination of this bankrupt, against whom a receiving order was made in September, 1895, upon a creditor's petition, was held at the London Bankruptcy Court on May 28, before Mr. Registrar Brougham.

Mr. L. Howell, Assistant Receiver, stated that the bankrupt, not having surrendered under the proceedings, had been recently arrested at Boseombe. No accounts had yet been filed. In their absence, he proposed to postpone his examination, but the trustee desired to ask some questions.

In reply to Mr. Todd, on behalf of the trustee, the bankrupt stated that since 1838 he had been known as Charles Montague, which name he used for the purpose of his patent-medicine business. He had formerly traded as a dealer in precious stones in America, under the style of Charles Ashley, but his real name was Napoleon Hirschfeld. He went to America some fourteen or sixteen years ago, and whilst there suffered acutely from rheumatism. A cure having been effected, he returned to this country, and settled at Buxton, in 1838, as a specialist in rheumatic cases. He founded a good business there, but his housekeeper becoming a burden to him, and wanting to shake her off, he left the business in her hands, and removed to London. Although he received nothing in respect of the business and book-debts after leaving Buxton, he had never demanded an account from the housekeeper. Subsequent to June, 1890, he carried on business as a patent-medicine proprietor at Red Lion Square; but in September, 1895, he left the country for Berlin, where he resumed his business as a dealer in precious stones.

Mr. Todd examined the bankrupt at some length regarding his Berlin transactions and expenditure, with a view to the discovery of assets belonging to the estate. He also questioned him as to his connection with a massage business carried on in London by a lady formerly in his employ as secretary. The witness asserted that he had no interest in that business except that he supplied an embrocation. He had not received payment in return, but did not think any claim could be made, as he did not even know that any had been sold. In the course of his patent-medicine business he received a large number of postal-orders.

Mr. Todd asked the bankrupt if he was not arrested at Boseombe whilst preaching for the Salvation Army.

His Honour would not allow the question; whereupon Mr. Todd argued that by eliciting the fullest information, and giving publicity to the case, the trustee hoped to receive further particulars of claim from the creditors.

The examination was adjourned, but his Honour intimated that the bankrupt could be released from custody.

*Re* W. H. WEBB, late of the Central Pharmacy, Westonsuper-Mare.

MR. L. E. WEBB, solicitor, of Pontypool, has addressed a letter to the creditors of the above-named chemist, informing them that he (W. H. Webb) left his home on April 30 last, and has not since been heard of, and that, at the request of debtor's wife, he (the solicitor) had looked into the affairs. He reports total unsecured liabilities, so far as ascertained, 2,738*l.* 13*s.* 3*d.*, of which 31*l.* 0*s.* 5*d.* are preferential. The assets consist of lease, business fixtures, and trade-fittings, cost 1,200*l.*; book-debts, estimated to produce 150*l.*; furniture (except his wife's), 50*l.*; reversionary fourth share in a sum of 400*l.* expectant on the death of a lady aged about 70 years, less duties and expenses, estimated at 50*l.* It is feared that Mr. Webb has no intention of returning, and the business is likely to seriously deteriorate in value unless transferred at once. A firm offer of 1,000*l.* for the lease and business has been received, provided all the creditors will consent to the sale. The purchasers stipulate that

the purchase-money shall be paid to bank account in the joint names of themselves and Mr. Phillip Webb, of Hereford (the debtor's broker), or of some other firm, on behalf of the creditors, and that it shall remain so deposited until the expiration of three months, and be returned to the purchasers in the event of bankruptcy proceedings being taken. Creditors are asked to formally approve of this proposal.

EDWARD SAMUEL BALCHIN, of 108 High Street, Gosport, and 4 Portland Place, Gosport, Chemist.

THIS debtor appeared at the Portsmouth Bankruptcy Court on May 31 for public examination. Mr. E. J. Beehervaise appeared for the debtor, who stated that he commenced business in 1839, starting with a borrowed capital of 350*l.* Soon afterwards he made an arrangement with his creditors, paying some in full and others 6*s.* 8*d.* in the pound. Three years ago he tried to make another arrangement with his creditors, but negotiations fell through. He had since paid off those liabilities. Although he had been obliged to file his petition he was better off now than three years ago. His statement of accounts showed gross liabilities amounting to 577*l.* 8*s.* 2*d.*, of which 153*l.* 11*s.* 7*d.* was due to unsecured creditors. The assets left a deficiency of 422*l.* 17*s.* 7*d.* The examination was closed.

## Deed of Arrangement.

*Law, Ozias* (trading as "Ellis Law & Son"), 83 Marshgate, Doncaster, and Red Bear Yard, Thorne, mineral-water manufacturer. Trustee, James L. Armstrong, 4 Albion Place, Leeds, &c., accountant. Dated, May 22; filed, May 23. Secured creditors, 700*l.*; liabilities unsecured, 362*l.* 12*s.* 8*d.*; estimated net assets, 657*l.* Deed of inspectorship and assignment with a view to payment of creditors in full by six equal instalments at three, six, nine, twelve, fifteen, and eighteen months respectively from May 24, 1897. The following are scheduled as creditors:—

	£	s.	d.
Dobson, J. W., Barnsley .. .. .	27	0	0
Duckworth & Co., Manchester .. .. .	41	0	0
Jessop, —, Huddersfield .. .. .	24	0	0
Kilner Brothers, Conisborough .. .. .	14	0	0
Manchester Chemical Company, Manchester .. .. .	13	0	0
Rylands, Dan (Limited), Barnsley .. .. .	163	0	0
Salt & Co., Burton .. .. .	50	0	0

## Gazette.

### PARTNERSHIPS DISSOLVED.

Hunter, S. T., and Clarke, E. G. K., under the style of Hunter & Clarke, Bath, aerated-water manufacturers.

Tucker, R. G., and Hoysted, C. G., under the style of Tucker & Hoysted, Swanley Junction, physicians, surgeons, apothecaries, and accoucheurs.

Ward, J., and Chadwick, G. F., under the style of Ward & Chadwick, Birmingham and Moseley, surgeons and accoucheurs.

### THE BANKRUPTCY ACTS, 1833 AND 1890.

#### RECEIVING ORDERS.

Aston, William, Handsworth, surgeon.

McNicol, John, Southport, late Poole, surgeon.

#### ORDER MADE ON APPLICATION FOR DISCHARGE.

Williams, Ada Jane (carrying on business under the style of Williams & Co.), Prescot, chemist, grocer, and wine and spirit dealer—discharge suspended until a dividend of not less than 10*s.* in the pound (including the dividend of 6*s.* 4*d.* in the pound already paid) has been paid to the creditors, with liberty to the bankrupt at any time after the expiration of two years from the date of the order to apply for a modification thereof, pursuant to section 8 of Bankruptcy Act, 1890.

IODINE has been found in malachite, but the quantity varies and never exceeds 0.4 per cent. It is, however, widely spread, having been found in minerals brought from Peru, Chili, Australia, Arizona, Hungary, Germany, and Russia.

## New Companies and Company News.

**DERBY SMALLWARES COMPANY (LIMITED).**—Capital 10,000*l.* To acquire the business of manufacturers of elastic-web, surgical bandages, &c., carried on by Thomas H. Harrison and Samuel Sprinthall at the Brook Mills, Agard Street, Derby, as "The Derby Smallwares Company."

**PADIHAM AERATED-WATER COMPANY (LIMITED).**—Capital 3,000*l.*, in 1*l.* shares. Objects: To acquire the business of mineral and aerated water manufacturers and cordial-manufacturers carried on at Smithy Gate Mill, Padiham, Lancs. The first directors are T. H. Thompson, J. H. Whittaker, H. Murphy, J. S. Holden, and S. Hebden.

**BIRMINGHAM OXYGEN COMPANY (LIMITED).**—Capital 5,000*l.*, in 1*l.* shares (1,000 deferred). Objects: To enter into an agreement with a company of the same name and Herbert Kidson, its liquidator, and to carry on the business of manufacturers and compressors of oxygen, nitrogen, hydrogen, carbonic acid, &c., also manufacturing chemists, contractors, and engineers.

**B. HALL (LIMITED).**—Capital 40,000*l.*, in 1*l.* shares (20,000 6*l.* per cent. cumulative preference). To enter into an agreement with the Midland Estates Corporation (Limited) for the acquisition of the business carried on by Benjamin Hall, at Trent Side, Nottingham, and to carry on the business of soap-manufacturers, bone-boilers, glue-manufacturers, chemical-manufacturers, oil-cake and feeding-stuff merchants, &c.

**THE PRACTITIONER (LIMITED).**—Capital 3,000*l.*, in 10*l.* shares. To enter into agreements with Malcolm A. Morris, surgeon, of 8 Harley Street, London, W., and with Cassell & Company (Limited), and to print, publish, circulate, and carry on any newspapers or periodicals. The first directors (to number not fewer than three nor more than five) are to be nominated by the subscribers. Qualification, 10*l.* Remuneration, as the company may decide.

**HALIFAX CASH SUPPLY STORES (LIMITED).**—The annual meeting was held on May 24 at Halifax. Mr. James Pearson, the chairman of the company, remarked on the success of the year's trading and the improvement in the financial position of the firm. It was decided to pay a dividend of 5 per cent., and carry forward 600*l.* to next ear's accounts.

**THE BADISCHE ANILIN- UND SODAFABRIK.**—At the general meeting of shareholders in this factory on May 8 a dividend of 26 per cent. was declared for the year 1896, and the issue authorised of 1,500,000*m.* of new capital, in shares of 1,200*m.* each. This issue has been taken up altogether by three banking firms, at the rate of 345 per cent. Holders of old shares will have the option of taking one new 1,200*m.* share for every twenty-two shares of 600*m.* face value in their possession at the price of 4,200*m.*

**JAVA CINCHONA.**—The annual report of the Planting Company "Pondok Gedeh," of Java, for 1896, which has just been published, shows that the year has been a good one for the concern. The ordinary shareholders will receive a dividend of 7 per cent. (the distribution for 1895 was 4 per cent.), and a larger sum is carried forward than in the foregoing year. With regard to cinchona, which (next to tea and coffee) is the principal product of the company's land, it is said that the net profit on that culture was 16,304*l.* (about 1,360*l.*). There are still about 200,000 trees left on the company's plantation.

**PACIFIC BORAX AND REDWOOD'S CHEMICAL-WORKS.**—The directors of the Pacific Borax and Redwood's Chemical-works (Limited) report profits for the year ending March 31 last amounting to 57,236*l.* After deducting debenture interest, redeeming twenty-five debentures (2,750*l.*), and paying dividend on preference shares, the directors propose to place to depreciation account 4,000*l.*, to carry to reserve account 9,000*l.*, and to pay a final dividend on the ordinary shares, making in all 7 per cent. for the year; to write off the whole of the preliminary expenses, and to carry forward the balance of 1,290*l.* The Board consider that the results

of the first year's trading, notwithstanding the unprecendently low prices ruling in its products, fully bear out the anticipations made at the time of the formation of the company.

**PRICE'S PATENT CANDLE COMPANY (LIMITED)** attained its Jubilee on Saturday last, May 29. On May 29, 1847, it acquired, for 250,000*l.*, the business of Edward Price & Co., which had been established in 1830 by Mr. William Wilson and his partner, Mr. Lancaster. That business was formed for the purpose of working an acquired patent for the separation of cocoa-nut oil into its solid and liquid constituents, with a view of utilising the former, cocoa-nut stearine, as a substitute for tallow, and the latter, cocoa-nut oleine, as a lamp-oil. In consequence of the difficulty of obtaining regular supplies of cocoa-nut oil, Edward Price & Co. established first a branch house in Ceylon for the purchase of the oil, and ultimately steam-mills for crushing cocoa-nuts, in order to extract the oil as the raw material for their London works. More capital being required for their operations in Ceylon and for other purposes, Mr. Lancaster sold his share to three capitalists—Messrs. Cockerell, Brownrigg, and Larpent, and with these as sleeping partners, with the addition of Mr. Brice Pearse, in 1845, Mr. Wilson continued to carry on the business until it was acquired by Price's Patent Candle Company (Limited) in 1847. Mr. William Wilson became the first chairman of the new company, and his two sons managing directors. One of these, Mr. George F. Wilson, F.R.S., is still a director of the company. The company have published a very interesting memoir of their fifty years' history, beautifully illustrated by reproduced photographs.

**LIEBIG'S EXTRACT OF MEAT COMPANY.**—The thirty-second annual general meeting of the shareholders of this company was held at the City Terminus Hotel, Cannon Street, E.C., on June 1, under the presidency of Mr. C. E. Günther. A dividend at the rate of 20 per cent. per annum was declared, and the chairman, in commenting upon the satisfactory character of the past year's working of the company, said that in order to still further strengthen their scientific organisation the directors had retained the services of Sir Henry E. Roscoe, F.R.S., whose world-wide reputation would secure for the company additional confidence from the medical profession, chemists, and the public generally. In the course of his speech Mr. Günther said the profit for the year had amounted to 113,280*l.*, against 99,103*l.* in the previous year. In 1865, the first year of the company's existence, only 3,194 head were slaughtered; at present some 200,000 head were killed annually. The profit in 1866 was 18,437*l.*, and from 1866 to the present time dividends representing 2,000,000*l.* had been distributed. The company now employed over 2,000 hands at their various establishments, which alone would give some idea of the importance of the undertaking. Over 250,000 tons of coal had been burned since the fire was first lighted over thirty years ago, and the company had shipped 2,300 cargoes of different produce, weighing 750,000 tons, and representing, besides their famous extract of beef, the special invalid food "Peptarnis," hides for making leather, tallow for soap and candles, preserved ox tails and tongues, corned-beef, horns and bones for cutlery, refined fat for cooking, meat-meal for feeding cattle, and many other articles. The "Liebig Company's Extract of Beef" was growing in popularity; fresh contracts had just been concluded with the British War Office and with the German and other Governments.

## Trade-Marks Applied for.

(From the "Trade Marks Journal," May 12, 1897.)

Representation of two labels with repeated steamer device and wording; for prepared plates for photographic purposes. By the Britannia Works Company (Limited), Ilford, Essex. 203,072-5. Essential particular: steamer device.

"FOOTBALL," and figure of same; for all goods included in Class 2. By J. Crosfield & Sons (Limited), Bank Quay, Warrington, soap manufacturers. 203,951.

Representation of two oval labels, with crests and wording; for medical and surgical plasters. By W. Mather (Limited), Dyer



Street, Chester Road, Hulme, Manchester. 202,890-1. Essential particulars: the device.

**BANGO**"; for chemical substances prepared for use in medicine and pharmacy. By W. C. Bagshaw, 187 Old Ashton Road, Openshaw, Manchester, manufacturer. 202,950.

**ZEROOMA**"; for chemical substances for use in medicine and pharmacy. By J. R. Craig, Gourock, N.B. 203,491.

**TET-A-LINE**"; for chemical substances prepared for use in medicine and pharmacy. By E. Shelley, 36 Caldmore, Walsall, chemist and druggist. 203,537.

**XAXAL**"; for all goods included in Class 3. By Burroughs, Wellcome & Co., Snow Hill Buildings, London, E.C. 203,551.

(From the "Trade Marks Journal," May 19, 1897.)

*Facsimile* signature of applicant; for an embrocation for veterinary purposes. By Matthew Harvey, Hawkes Villa, Hednesford Road, Cannock, Staffs, hardware manufacturer. 202,651.

**MOTHER SHIPTON**," and figure of same on label with wording; for disinfecting soap (included in Class 2) for sanitary purposes. By G. W. Goodwin & Son, Ordsall Lane Soap Works, Manchester, soap manufacturers. 203,879. Essential particular: the device.

**QUL-CUM**"; for chemical substances prepared for use in medicine and pharmacy. By Leonard Haslop Williamson, Excelsior Works, Cheetham, Manchester, manufacturer. 200,094.

**KANZOO**"; for cough-lozenges (medicated for human use). By Annie Forest, trading as Forest & Co., 12 Cornwallis Gardens, Hastings, lozenge manufacturer. 203,964.

**MIGRAINE**," and shield-shaped device, containing head and shoulders of girl with crown and nimbus; for perfumery (including toilet articles, preparations for the teeth, hair, and perfumed soap). By Johann Maria Farina & Co., Gegenüber dem Ursula Platz, 17A Ursula Strasse, Cologne-on-Rhine, eau-de-Cologne distillers. 199,701. Essential particular: the device.

**LIMANGLY**"; for perfumery, toilet articles, perfumed soap, &c. By R. Hovenden & Sons, 30 Berners Street, London, W. 203,218.

(From the "Trade Marks Journal," May 26, 1897.)

**DOS LEONES**," and other wording in Spanish, on label; for a paint. By T. Hubbuck & Son (Limited), 24 Lime Street, London, E.C. 201,392. Essential particular: the words "Dos Leones."

Circular label with wording, and *facsimile* signature of applicant; for pills for human use. By G. Greener, Blackett House, Wylam-on-Tyne, grocer and patent-medicine dealer. 203,510. Essential particular: *facsimile* signature.

*Facsimile* signature of applicant and wording on wrapper; for a medicine for human use. By A. M. Post, 96 Leadenhall Street, London, E.C., merchant. 203,595. Essential particular: the signature.

**VERE-VIT**"; for medicines for human use. By T. C. Graham and H. J. Tremellen, trading as the Invicti Company, Cambrian Road, Newport, Mon.; dispensers of medicines. 203,538.

**VIMULE**"; for surgical instruments and appliances, not medicated. By A. Lambert & Co., 16 Dalston Lane, London, N.E. 204,174.

Representation of outstretched muscular arm and closed hand; for substances used as food or as ingredients in food. By the Frame Food Company (Limited), Battersea Wharf, Lombard Road, Battersea, London, S.W. 200,709.

**MATOLA**"; for mineral and aerated waters, natural and artificial. By Stevenson & Howell, 95A Southwark Street, London, S.E., manufacturing chemists. 203,859.

Representation of decorated label with bath, and wording "Sykes' Floral Bath Salt"; for a perfumed toilet preparation for the bath. By John Smith Sykes, trading as Sykes' Laboratory, 75 High Street, Plumstead, London, S.E., chemist. 199,648. Essential particulars: label device.

**THE "LYNX"**; for varnish for polishing purposes, furniture-polish and cream, etc. By Atkinson, Dillon & Co., 36 Aire Street, Leeds, manufacturing chemists. 203,611.

(From the "Trade Marks Journal," June 2, 1897.)

**GERSAP**"; for disinfectants. By A. C. A. Hutton, 6 Philip Lane, London, manufacturer. 204,148.

Sketch of prize-fight, on label, with wording; for an external application (medicated) for use on animals, horses, birds, poultry, and dogs. By G. P. Sargent, Albert Cottages,

Edward Road, New Barnet. 204,681. Essential particular: the device.

**"WARRANACQUER**," and other wording, on pictorial label; for a patent medicine for human use. By R. R. Moss, 16 Water Lane, Great Tower Street, London, E.C., spirit-merchant. 202,455. Essential particulars: the device and the word "Warranacquer."

**"ONICA"**; for ointment for human use. By Walters & Co., Mwynddy Villa, Pontyclown, near Llantrissant, Glam., medicine vendors. 203,447.

## Westminster Wisdom.

### VERMINOUS PERSONS BILL.

Mr. Hazell has had the good fortune to get this Bill through the Committee stage, and he is not without hope that it will pass into law this Session.

### ALCOHOL IN BRITISH WINES.

The question of the alcoholic strength of many articles sold as temperance and quasi-temperance drinks, and the allied question of the way in which the Excise is affected, have several times cropped up in the House of Commons this Session. Mr. Lough asked the Chancellor of the Exchequer a few days since whether British wines, cider, and perry, containing up to 15 per cent. of alcohol, were manufactured and sold without duty being paid on them. Sir M. Hicks-Beach doubted the 15 per cent., but admitted that no duty is charged on the manufacture, though a licence-duty has to be paid on the sale of these products.

### VACCINATION.

Shortly after the publication of the report of the Royal Commission upon Vaccination, Mr. Chaplin, as President of the Local Government Board, issued fresh instructions to public vaccinators by which they are enabled, whenever they deem it desirable, to use calf-lymph instead of humanised lymph. He has also been making inquiries as to the preparation and use of glycerinated calf-lymph. From the information now before him he thinks it probable that glycerinated calf-lymph will be found to present distinct advantages over other forms of vaccine-lymph. He states that one of the points which he will have to consider is how far it may be practicable for him to issue a gratuitous supply of vaccine-lymph in this form to all registered medical practitioners applying for it.

### THE WORKMEN (COMPENSATION FOR ACCIDENTS) BILL.

The House of Commons has continued to devote its energies to this Bill. There has even been some little hurry over the Committee stage in view of the Whitsuntide holidays next week, but it is well understood that when the report stage is reached legislators will have facilities accorded for revising their work. One of the chief points recently discussed has been the question of contracting out. The Government would not consent to an amendment proposed by Mr. Ascroft, one of their own supporters, to provide that contracting out shall be illegal, but it is expressly provided that any scheme of mutual arrangement between employer and employed (*i.e.*, contracting out) must be certified by the Registrar of Friendly Societies as giving the workmen advantages equal to what they would get from the Bill. As a further safeguard, it was agreed, on the motion of the Attorney-General, that no scheme of mutual arrangement shall be certified by the Registrar which contains an obligation upon the workmen to join the scheme as a condition of their hiring. The Bill now being applicable simply to railways, factories, mines, quarries, and engineering-works, attempts have been made by private members to have other occupations included. The Government have, however, adhered to their original position as to the undesirability of unduly extending the scope of the Bill until there has been practical experience of its working. They made concessions in the interests of men in the building-trade and employes in laundries, and on one or two minor details, but that is all. It is proposed that the Act shall come into operation on March 31, 1898.



## Novelties.

### DIASTASED FARINA FOOD.

THIS is the name of an infants' food manufactured by Messrs. E. Beanes & Co., of Hackney Wick, N.E. The farina is a first-class carbohydrate malted in such a way that when it is prepared with milk or milk and water a perfectly digestible food results, possessing high nourishing properties combined with ready assimilation. It is as suitable for those with weak digestions as for infants and children.

### JUBILEE PERFUMES.

MESSRS. FRANCIS NEWBERRY & SONS, King Edward Street, E.C., are offering two exceptionally good lines in perfumes for jubilee trade under the style of "St. Paul's Royal Victorian Perfume Souvenir." The 1s. series (in itself a good shilling's worth so far as perfume is concerned) is finished exquisitely, each bottle being enclosed in a case, the lid of which has a facsimile in blue and gold of a jubilee badge and medal. The more expensive series (2s. 6d. retail, 16s. per dozen net) is put up in stoppered bottles, with the attractive steel engraved label, and giving in elegance and quality what it may lack in show. Both series include all the familiar odours, each odour being distinguished by an additional slip label. A neat showcard for advertising the perfumes is sent with each order.

### "COMMEMORATION BOUQUETS."

MESSRS. CORBYN, STACEY & CO.'s perfumes are always put up in excellent taste, but in the "Commemoration Bouquet" they have surpassed their previous achievements in the matter of attractive appearance. Our two illustrations show the bottle and the oval box in which it is packed. The box is of British red, with gold lettering; the bottles bear a white label, with scarlet monogram. The "Commemoration Bouquet" may also be had in neat red morocco



cases (containing two or three bottles) with gilt clasp, lined in amber plush. The odour of the bouquet is extremely fragrant and delicate, and the perfume certainly deserves, and will probably obtain, a great success during the "Jubilious" season now impending. For window-display we cannot imagine anything nicer than this "Bouquet"; it looks so cool on a hot day.

### "D.H.S.Y.H." PERFUMES.

IT is a somewhat curious fact that two wholesale drug-firms should independently and almost synchronously (one gets into the way of these long words) have bethought them-

selves of the words "Commemoration Bouquet" as a seasonable name for a new scent. But so it is. At Messrs. Davy, Hill & Co.'s establishment in Southwark Street they are now busy putting up a "Commemoration Bouquet," on which the label bears a royal standard and two pictures of her Majesty, all in bright red, blue, and yellow, and packed in cardboard boxes like those with which Messrs. Newbery's new scent is sent out. The Messrs. Davy, Hill & Co. also put up much more expensive perfumes; a white rose, in cut-glass bottles, to retail at 3s. each, attracted our attention especially on account of its excellent fragrance and beautiful get-up.

### MANHU FOODS.

UNDER the above title Messrs. Irving, Son & Jones, of Liverpool, have introduced a series of food specialities, all of which are, by a special process, rendered more digestible than the particular cereals from which they are prepared, yet they are not for that reason diverted from their ordinary uses—that is to say, Manhu oats, *e.g.*, are good for making porridge in the ordinary way, while the dish is more digestible than the old-fashioned stuff. Our purpose in writing this note is, however, to call attention to Manhu infants' food. This is a mixture of prepared cereals and concentrated milk, made under aseptic conditions so as to produce a fine dry powder. It makes a palatable and nourishing food by the addition of water merely, either for bottle or spoon. There is, we believe, a place for it in the nursery commissariat, and its palatability will make it a favourite. It may be obtained through Messrs. W. Edwards & Son, Queen Victoria Street, E.C., and most sundries and wholesale houses.

### NEW CHINOSOL PREPARATIONS.

MR. B. KÜHN, 36 St. Mary-at-Hill, E.C., has introduced several new preparations of chinisol, the antiseptic and disinfectant about which we have already fully reported in the *C. & D.* We may, however, recall the fact that chinisol is a yellowish powder with pleasant odour, which has been found to be exceedingly energetic as a bactericide and reliable as a deodorant. The latest proof in respect to the latter property comes from the Kennel Club's dog-show recently held. As a rule, dogs object to disinfectants which have an odour, but they had none to chinisol (which is almost odourless), and the committee reported that the chinisol was quite successful in keeping down the bad smell which invariably arises where a lot of dogs are kept together. The disinfectant is now offered in two new forms—(1) crude chinisol powder F, which is put up in a tin sufficient to make 1 gallon disinfecting-solution, which bulk for bulk is stronger than carbolic acid; (2) chinisol disinfecting-powder, a very light powder, which meets Professor Tichborne's essential—viz., capability of floating on water. Three new soaps are also introduced—(a) medicinal, containing 5 per cent. of chinisol; (b) veterinary, or dog soap, 3 per cent.; and (c) toilet, 2 per cent. These soaps are made from a superfatted, milled basis, without perfume, yet they have a pleasant odour, owing to the chinisol, and are equally pleasant to use.

### PHOTO-MOUNTS.

THE increased business being done by chemists in photographic goods, while being partly due to the chemical knowledge which they can bring to bear upon photography, is also attributable to their good taste in the exhibition of stock. We, therefore, have pleasure in bringing under their notice the photographic-mounts manufactured by Messrs. Maxwell, Bayes & Co., Reliance Works, Gainsborough. There is no conceivable style of mount which they do not make, including the familiar portrait-mounts used by professional photographers, these being produced in great variety of colours, with plain and gold lettering, and good



edges also finished in gold. A special feature is made by the firm of mounts and albums for pocket Kodak pictures. The cards for these are in several grey shades, and the mounts are made either for paste-on or slip-in styles. Another series which we take a fancy to is the granulated grey exhibition mount, with recesses for the pictures, and under each recess a plain space for the title of the picture. There is also a Diamond Jubilee mount with an effective design round the border, and white insertion for the photo upon the neutral grey ground. The firm produce handsome and well-bound albums made from similar cards to those described, in quarter, half, and whole plate, also a series for Kodak pictures. These are artistically produced, and the prices in all cases are moderate and protected from cutting. They offer sample albums at dozen rates, and price-lists are furnished on request. The mounts are all made in this country; the firm lay themselves out for chemists' trade.

#### BISHOP'S NEW PREPARATIONS.

It is probably not so well known to retail pharmacists as it is to manufacturers that piperazine is one of the most difficult drugs to handle in combination as an effervescent, or in making compressed tablets. The direct application of the heat in the one case and the heat of friction in the other suffice to decompose or volatilise the compound, and the resulting preparations are coloured. Messrs. Alfred Bishop & Sons (Limited), Specksfields, E., the originators of granular effervescent preparations, have studied this problem, and they have found a solution to it in the production of piperazine citrate by a patented process. According to Helbing and Passmore, this salt contains three molecules of piperazine to two of the citric radicle. It occurs, we find, as a white crystalline powder, which is just as soluble as piperazine, yet is non-hygroscopic, and is not volatilised or decomposed when heated. One and a third grain of the citrate is equal to 1 gr. of pure piperazine, and we consider that the combination should be even more efficacious than piperazine itself, since it is known that piperazine salts and urates undergo double decomposition, and there can be no better acid for the freed urate bases to combine with than citric; in short, we have in piperazine citrate the combined influences of the old treatment of gout (administration of alkaline citrates) and the new (solvent power of piperazine). Messrs. Bishop are also putting up the salt in the granular effervescent form (5j. = gr. v. of piperazine) and in effervescent "varalettes," each equal to 3½ gr. of piperazine citrate. These varalettes are compressed tablets containing a trifle of an effervescent medium, which addition has the effect of disintegrating the varalette quickly and making a pleasant draught. The firm make a series of the varalettes—*e.g.*, antipyrine gr. v., antipyrine gr. v. and caffeine gr. j., lithium citrate gr. v., lithium bitartrate gr. v., and potassium iodide gr. ij. All are put up in characteristic bottles with sealed tops. The firm print booklets respecting the varalettes, and leaflets about the piperazine citrate, which give full particulars of their uses, and copies of these may be obtained on application.

#### Trade Notes.

THIS is the time of year that "Yanatas" is wanted, because it is a sea-sickness remedy, or rather preventive, for if one takes it the sickness is not heard of. Messrs. Dakin Brothers are the agents for it.

MESSRS. BLEASDALE (LIMITED) have heard from their New South Wales agent that at the recent Royal Agricultural Show held in Sydney a first prize was awarded to them for Busy Mothers' Infants' Food and for pharmaceutical products.

Also that a first prize was awarded for the cork screw patented by Mr. Maud, chemist, Pontefract.

MESSRS. C. FREUDENTHEIL & Co., of 21 Mincing Lane, E.C., have submitted to us samples of new season's cod-liver oil prepared by Brødr Aarsaesther, of Aalesund, Norway, for whom they act as agents. We have examined the oil, and find it to be consistent in every respect, chemically and physically, with the accepted factors for pure cod-liver oil. Besides this, we may state that the oil is almost without colour (in ½-inch layer) and odour, has a faint and not unpleasant taste, and is non-freezing. Messrs. Freudentheil & Co. inform us that they have every reason to be satisfied with the reception so far accorded to their oil in the English market, and that their principals have had nearly twenty years' practical experience of cod-liver oil manufacture at Aalesund.

#### Personalities.

MR. WILLIAM CROOKES, F.R.S., is to be nominated for the Presidency of the British Association for 1898, when the meeting will be held in Bristol.

WE had a call this week from Dr. Karl Dieterich and Mr. Hans Dieterich, sons of Hofrath Eugen Dieterich, of Helfenberg, who have been in London on business.

THE fund opened at Margate (Kent) by Mr. E. S. Wootton, chemist and druggist, for the National Fund for the Greek Wounded, has realised 43*l.* 12*s.* 4*d.*

AT Newton Abbot Petty Sessions, on May 26, a licence to sell wines off the premises was granted to Mr. William Bennet, chemist and druggist, Newton Abbot.

WE are asked by the Pharmaceutical Registrar to state that Mr. Charles T. Sellens, of Lydd, referred to on page 845 of our last issue is not, and never has been, a registered chemist and druggist. Mr. Sellens had written us to the same effect before we heard from Mr. Bremridge.

MR. JOHN GRIEVE, apprentice with Mr. Edward Brindle, chemist, 184 Morrison Street, Edinburgh, has gained the class medal and Duncan Monteith prize of 2*l.* in advanced organic chemistry (theoretical and practical) at the Heriot Watt College evening classes.

MR. CHARLES McDONALD HAY, of Lyman, Sons & Co. (Limited), wholesale druggists, Toronto, has been elected President of the Wholesale Druggists and Patent-medicine Dealers' Association of Canada, in succession to Mr. John Henderson, of the same firm, who has retired. Mr. Hay also succeeds Mr. Henderson as managing director of Lyman's.

MR. T. R. GOODMAN, chemist, Banbury, informs us that a man has been calling on some London patent-medicine makers and giving orders in his name. He generally asked for the goods to be sent for enclosure to Messrs. Evans, Lescher & Webb. From that firm he borrowed 10*s.* He gave the name of John Goodman. Mr. Goodman believes he is a man who formerly lived in Banbury. Mr. Stephen Green, of Singleton's Golden Eye-ointment Depot, 210 Lambeth Road, writes to tell us that the man called on him and gave an order which, however, was not executed, as Mr. Green wrote to Mr. Goodman, of Banbury, first for confirmation. Mr. Green describes this so-called "John Goodman" as rather tall, fair, and very talkative.

TWO TEASPOONFULS OF QUININE were taken by a woman recently. A fit followed, and it required the close attention of a doctor for several days before she was quite out of danger. The case is reported in the *Lancet*, page 1202, and we mention it as one of the results of cheap quinine, as it was 6*d.* worth she took. In the old days 6*d.* worth would have done her no harm.

THE CUSTOMER told the smart traveller that he did not see where his drugs were better than anybody else's. "Ah!" said the traveller, "you see on account of our foreign connections we get all these things direct from the places where they grow. Our Tinnivelly senna is bought by our own agents in Tinnivelly, and our chamomile-flowers are bought by our resident representatives in Chamomile." He got an order! —*American Druggist.*



## In Australian Pharmacist-Legislator.

THE HONOURABLE F. S. GRIMWADE, of the Legislative Council of Victoria, who was the principal guest at the Pharmaceutical Society's dinner recently, called at 42 Cannon Street a few days ago to renew his acquaintance with the parent CHEMIST AND DRUGGIST, of whose Australasian offshoot he is a valued friend. In Mr. Grimwade the legislator has not submerged the druggist, although a considerable portion of his time is naturally devoted to his Parliamentary duties as one of the three representatives of the North Yarra Province. The Legislative Council, or Upper Chamber, of Victoria has forty-eight members, chosen by a more restricted electorate than that which sends to the Legislative Assembly the ninety-six gentlemen whose functions correspond with those of the members of our House of Commons. For Assembly-purposes the Victorian constituencies are single-membered, and enjoy, or are afflicted with (the reader may choose the qualification he likes best), Manhood Suffrage. But for the Legislative Council the colony is parcelled out in fourteen provinces of different sizes, and only citizens who possess a certain amount of rateable property can vote. North Yarra is one of the largest provinces. It has over 16,000 electors, and embraces



HON. F. S. GRIMWADE.

the cities of Fitzroy, Collingwood, and Footscray, and the boroughs of North Melbourne and Williamstown. One of the penalties Mr. Grimwade has had to pay for the general respect in which he is held by the North Yarra-ites is that he has never known the excitement of a contested election. To sit in Parliament for seven years, without having had one good, square, stand-up fight for your seat must be a trifle dull, but Mr. Grimwade shows no signs of depression as yet. Moreover, though the Victorian Upper House, like the Peers in this country, has no control over public money, and does not decide the fate of Ministries, it has its peculiar compensations. There are many (Mr. Grimwade is one) who see in the bi-cameral system many advantages besides "a useful check on hasty legislation." The system cannot be discussed here, but, anyhow, the Victorian Legislative Council is saved from being a place where it is always afternoon by its power of initiating legislation. As it consists in great part of experienced businessmen, several commercial measures have been originated within its walls. Of such were the Companies Amendment Act and the Registration of Firms Act. This latter useful measure provides for the registration, once a year, of all partners in business concerns, so that people may know with whom they really are trading when they buy or sell to John Smith & Co. Mr. Grimwade also takes a lively interest in legislation concerning cremation.

"Next Session," he said, "I am going to bring in a Bill giving trustees of cemeteries power to build crematories. You know that the principal objection to cremation is the destruction of almost all traces of murder by poisoning. My Bill requires that permission for cremation shall only be given if two surgeons certify that the deceased died a natural death, and if, in addition, a Government medical officer declares that there is no objection to the cremation of the body."

### PROTECTION v. FREE TRADE.

"Have you always taken an active interest in politics, Mr. Grimwade?"

"No; only for about ten years. It was in 1891 that I was elected to the Council. I had not been in the Lower House, but I had served on a Royal Commission on the Tariff from 1881 to 1883. I had also been connected with the Chamber of Commerce many years, and had been its President in 1882 and 1883."

"So that you must be versed in commercial politics, at any rate? Yours' is a High-Protectionist colony. Tell me, please, what are the prospects of tariff reform?"

"Well, that must come with Intercolonial Federation, if not earlier."

"But will the Federation question ever be solved?"

"Yes," was the answer, in a very decided tone; "and probably sooner than most people believe—perhaps within two or three years. Then we shall get a single Customs tariff for all Australia. But *if* federation should fail to be agreed upon, we may see Victoria adopt free trade on its own account, for there is a very strong Free Trade party in the Colony."

"Are you a free trader?"

"I am, but I do not think it would be good for us to abolish all duties straight away. We must have money—a lot of money—to carry on the Government, and there is no handier means for raising it than by an import-duty. Even now, with our absurdly high tariff, we already have to pay the highest income-tax in the world (with one exception, Italy)—viz., 8*d.* in the pound on incomes derived from self-exertion, such as profits from business, and 16*d.* in the pound on interest from capital—the revenue from stocks, house property, and farms, for instance. My idea is a moderate all-round duty—say, 20 per cent. *ad valorem*, to be reduced as soon as possible to 15 per cent., and then to 10 per cent., and to stop at that figure. Fourteen years ago, in an annual address to the Chamber of Commerce, I advocated the buying out of vested manufacturing interests in the colony on that basis. That would have cost a million and a half of money, and it would have been capital well invested. Now the cost would be so much greater that I would not advocate any compensation whatever."

"A noble instance of disinterestedness, considering that you are a manufacturer yourself."

"My dear sir, tariff-reform won't hurt us now. Our factories are too well established for that. Let me give you an instance. I am interested in a glassworks (we employ about 240 hands) at Spottiswoode. We make medical bottles, soda-water bottles, beer-bottles, &c. Well, in Sydney, where there is no duty, we can compete successfully with other countries, and recently we have made a contract to supply the Victorian Lager Beer Company with 4,000 gross of first-class bottles, with name and de-mark, at 20*s.* per gross, delivered at the works, all breakages to be made good by us. These same bottles, made in Germany or Belgium, would cost 16*s.* per gross, f.o.b. at Hamburg, without any allowance for breakage. And this is in spite of our costly labour. At our glassworks the men only work five days in the week, and eight hours a day. On Saturdays they turn up in their best clothes to receive their wages, and then disappear till Monday. And a skilled glass-blower is paid from 3*l.* to 4*l.* a week, while in Germany he would get about 20*s.* for longer hours. Another business I am interested in is a chemical-factory (now carried on as a company) at Yarraville and Port Melbourne, where we employ about fifty hands. There we make nitric, sulphuric, and muriatic acids, and artificial manures."

### ENGLISH BUSINESS-METHODS.

"Is England losing ground as a supplier of Victorian drug-requirements?"



"No; we buy as great a proportion of English-made goods now as ever we did. But the continental houses are extremely active, every bit as much so as the Britishers. And let me beg you to give the British manufacturers a note of warning to be more careful in packing their goods. An English maker never will admit that he has made a mistake. When goods arrive damaged on account of bad packing, and you claim an allowance, he will tell you that he has never had any such complaint before, and point-blank refuse a single cent. The German, the Frenchman, and the American are much fairer and more reasonable in this respect; and that gains them many friends. All our English orders are executed through Grimwade, Ridley & Co., of Bishopsgate Street. Lots of important drugs we import direct, such as cream of tartar from Marseilles, olive oil and oil of lemon from Italy, castor oil, shellac, and cardamoms from India."

"And you also export Australian crude drugs?"

#### EUCALYPTUS OIL.

"A little red gum and a great deal of eucalyptus oil. We are partners in a distillery in the Mallee country. But the low prices and the overstocking of the European markets have made the eucalyptus-oil trade with Europe an unprofitable business, and were it not for the demand for our bottled oil that exists in Australia itself, we should have to shut down our plant. As for the 9d. oil that has been so freely sold in London, it is made by men who use leaves they gather free of charge in the Government forests, and of course are not particular about the quality. By working very, very hard, they can just make it pay, but if business should improve generally, there must be an end of that cheap oil. By the way, our firm were the first to ship eucalyptus oil to England. That was in 1863, when our predecessors were associated in the eucalyptus-oil business with Mr. Bosisto, who is the father of the industry. The oil then shipped was Amygdalina.

#### AUSTRALIA FOR BRITISH PHARMACISTS.

"And now, Mr. Grimwade, please, one or two questions about the condition of pharmacy in Australia. Do you consider the colonies a good field for British chemists' assistants?"

Mr. Grimwade reflected a long time. Then he said:

"British assistants, I am sorry to say, are rather at a discount among our people. We admit that, if we get a steady man, there could not be a better assistant than the Britisher. He is well-trained, willing, and full of resource. But such a lot of men come out to the colonies who have lost caste at home on account of their drinking-habits, or for equally disgraceful reasons. They are shipped off to Australia as a last chance, and their friends or former employers usually give them a good character out of misplaced pity. In the colonies such men almost invariably go from bad to worse, and they bring undeserved discredit upon their whole class."

"Yes; but let us suppose the model Young Man. Where would you advise him to go to?"

"Well, in the first place, to succeed, the man must be qualified. Then, I should not recommend Western Australia. New Zealand I don't know very well; it is certainly in many respects the nicest colony to live in. Victoria and New South Wales are about equally good; Queensland is a fine progressive colony. If the man has no means, he may find a situation at about 2*l.* a week, indoors. A few years ago the average pay was 2*l.* 10*s.* a week, but hard times have brought wages down all round. If the chemist possesses 200*l.* or 300*l.*, he can almost always be sure to find a decent business and a wholesale house to advance him the remainder of the capital he needs. Our own firm generally know of several good openings of this kind.

#### RECIPROCITY.

"Is there any feeling of grievance in Australia that colonial certificates are not recognised in Britain?"

"I don't think so. In Victoria we accept the British certificates, because we have room for good men from the old country. But as no Australian pharmacist would better himself by emigrating to the Old Country, reciprocity with Great Britain is for us a purely sentimental question. But a very real grievance is this, that there is no inter-colonial reciprocity. The Pharmacy Board of Victoria is notoriously the highest body of its kind in Australasia.

The standard of the Victorian examinations certainly equals the British Minor, and yet no Victorian chemist can be registered in any other colony until he has passed a Modified examination. This is a matter that calls for urgent reform, but it, too, may have to wait until the colonies federate."

## Practical Notes and Formulæ.

#### CHOCOLATE EMULSION OF COD-LIVER OIL.

Irish-moss mucilage, N.F. ...	...	...	5 <i>v.</i>
Cod-liver oil ...	...	...	5 <i>viiij.</i>
Glycerine ...	...	...	5 <i>ij.</i>
Cocoa-powder ...	...	...	5 <i>j.</i>
Essence of vanilla ...	...	...	5 <i>ij.</i> (or q.s.)

Rub the cocoa with the mucilage, and heat until a uniform mixture is obtained. When cold, add the cod-liver oil and glycerine, and beat up with an egg-beater.

—*Practical Druggist.*

#### PHOSPHATED IODO-TANNIC ELIXIR.

Tannin ...	...	...	27 gr.
Phosphate of sodium ...	...	...	90 gr.
Iodine ...	...	...	13½ gr.
Rectified spirit ...	...	...	5 <i>ij.</i>
Dry sherry ...	...	...	5 <i>iiiss.</i>
Sugar ...	...	...	5 <i>ij.</i> 3 <i>j.</i>
Water ...	...	...	5 <i>ij.</i> 3 <i>j.</i>

Dissolve the phosphate in the water, add the sugar, and filter through flannel; dissolve the iodine and tannin in the spirit, add the wine, and filter through paper; then mix the solutions.

—*El Memorandum.*

#### HOW DROPS VARY IN SIZE.

EVERY competent pharmacist knows that drops, even of the same liquid, vary in size according to the manner in which they are dropped; but few, we fancy, will be prepared for the very wide variations which Dr. George F. Payne records in the *Druggists' Circular*. He dropped a fluid drachm of water in each of the under-noted cases, and with the results stated:—

From the bottom of a 10-oz. evaporating-dish the number of drops was 18.

From a 2-pint funnel, choked with cork for dropping, square, thick end, 24.

From the bottom of a 5-oz. beaker, 25.

From a 6-oz. funnel, choked with cork for dropping, square, thick end, 28.

From a large glass stopper, 2 inches in diameter, 30.

From a 5-oz. lipped beaker, with guiding-rod,  $\frac{3}{8}$  inch in diameter, 31.

From a  $\frac{3}{8}$ -inch guiding-rod, taking supply from 2-oz. dropping funnel, 32.

From a 4-oz. glass-stopped bottle (half full), stopper kept partly in neck, 33.

From a 2-oz lipped graduate, offhand, without guiding-rod, 45.

From a 1-dr. lipped graduate, offhand, without guiding-rod, 47.

From a 2-oz. funnel, choked with cork for dropping, slanting end, 52.

From a  $\frac{3}{16}$ -inch diameter guiding-rod, taking the supply from 2-oz. dropping funnel, 62.

From a  $\frac{1}{16}$ -inch diameter guiding-rod, taking the supply from 1 dr. graduate, 96.

From a  $\frac{1}{8}$ -inch diameter guiding-rod, taking the supply from 2-oz. dropping funnel, 96.

From a 5-oz. lipped beaker, offhand, without guiding-rod, 100.

From a 5-oz. lipped beaker, with guiding-rod,  $\frac{1}{16}$ -inch diameter, 120.

From a pointed guiding-rod,  $\frac{1}{16}$ -inch diameter at point, from 2-oz. dropping funnel, 160.

From a pointed guiding-rod,  $\frac{1}{10}$ -inch diameter at the point, from 2-oz. dropping-funnel, 600.

The drops which were obtained with the very small guiding-rods and from the bottoms of the vessels were abnormal, and are only given to illustrate what is possible under certain conditions. The list, however, shows quite plainly how easy it is to obtain drops of water under ordinary circumstances, varying from 33 to 120 to the fluid drachm.



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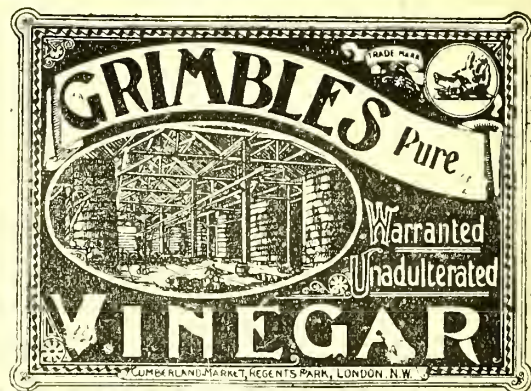
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VICTORIAN MEDICINE AND SURGERY.

THE *Practitioner* for June is a special commemoration-number of Queen Victoria's Diamond Jubilee. It contains an admirable survey of the progress of medical and surgical



knowledge in the last sixty years, by the editor, Dr. Malcolm Morris, who modestly declares that the growth of human knowledge generally has been greater in these last six decades than in all the countless centuries before them. "Medicine in particular," says Dr. Morris, "has passed from the darkness of chaos and old night into the dawn of a quickly-brightening sunrise." We are inclined to think this latter assertion is justified by the evidence given, though the degree of the dawn so far reached may vary in different people's estimates. The stethoscope, as Dr. Morris reminds us, is a little more than sixty years old; but sixty years ago the thermometer, the laryngoscope, the ophthalmoscope, the sphygmograph were unknown; the microscope was but a toy; pathology could hardly be said to exist; and physiological chemistry was but a dream. Surgeons' instruments are as different to-day to those used in the 'thirties as are the operating-theatres of hospitals in their sanitary provisions; and, above all, there is the great discovery of anæsthesia, which in the view of many intelligent chroniclers introduced the greatest of all the benefits which have been conferred on humanity during these sixty years.

To the same issue of the *Practitioner* Dr. Samuel Wilks, President of the College of Physicians, contributes an article of personal reminiscences, entitled "Fifty Years"; Sir Dyce Duckworth writes on "The Advance in the Principles and Practice of Medicine" during the Queen's reign; Sir William Broadbent traces briefly the disentanglement of our ideas respecting nervous diseases; Sir James Crichton-Browne and Dr. A. R. Urquhart, of Perth, sketch the history of psychological medicine; Mr. Frederick Treves, F.R.C.S., records the progress of surgery; Mr. Watson Cheyne, F.R.C.S., deals with wound-treatment; Drs. Champneys and Drummond Robinson narrate the progress of midwifery and gynæcology; Mr. Henry Power, M.B., describes improved treatment in special branches of medicine and surgery; Dr. Hamilton, of Aberdeen, discusses the history of pathology; Dr. Sims Woodhead is the historian of bacteriology; Dr. Leech, of Manchester, notes the progress of therapeutics; Dr. Edward Seaton shows the achievements of public preventive medicine; and Mrs. or Miss Catherine Jane Wood is responsible for a treatise on the "Progress of Nursing in the Victorian Era." The commemoration-number of the *Practitioner* is illustrated with portraits of Sir James Clark, Sir Charles Locock, Sir William Jenner, and Sir James Reid.

Dr. Wilks's essay is very readable, but a little frivolous. He professes to regard the inventors of lucifers and snuffless candles as the greatest benefactors of our era, and in view of the imprecations which these inventions have prevented he looks upon them as having been of the highest moral value to the community. His hospital reminiscences are striking. Recalling his recollections of Guy's as he first knew it in 1842, he incidentally refers to the introduction of iron bedsteads, consequent on which the services of a bug-catcher at 40*l.* a year were dispensed with. The wards in those days were mean and comfortless, but Dr. Wilks speaks a good word for the nurses of old time. These women, he says, were appointed by the authorities, notably by the Treasurer, who no doubt used his patronage to assist the needy of his acquaintance, but chose at the same time those most suitable for the situation, "for they were most admirable women, and did their work excellently."

Medical and surgical cases were treated in the same wards, and the isolation of contagious cases was not effected until the introduction of diphtheria made it absolutely necessary. By the way, in any review of medical progress, it is right not to forget "the introduction of diphtheria," as Dr. Wilks calls it; and of some other complaints as well—Pasteurism, for example.

Boiled mutton and rice-pudding were the staple dishes for the patients in Dr. Wilks's student-days; patients provided their own tea, and were allowed to buy watercresses and periwinkles of a man who went the round of the wards every afternoon. Both barley-water and linseed-poultice were all made in the wards, and he associates with these early recollections of Guy's a compound odour of boiled mutton and linseed-poultices.

Dr. Wilks's reminiscences of the surgeons of Queen Victoria's earlier years are not pleasant reading. He does not remember to have ever heard a physician swear except Dr. Owen Rees on one occasion when a patient touched his new hat; but a surgeon using his catheter has been heard to exclaim, "D——n you, lie still." He mentions another, who, when amputating a man's leg, and after cutting through the soft parts, when the saw was handed to him, thrust his hand into a very deep waistcoat-pocket and drew forth a snuffbox; then very slowly and deliberately took a good pinch, and after returning the box to its home accepted the saw and completed the operation.

Dr. Wilks thinks there was a good deal of humbug about the consultant of that day, but he is fair enough to assume that there may be some attempt to impose upon the public nowadays by new-fangled stethoscopes, thermometers, and other instruments, making chemical analyses of secretions, to say nothing of the wonders of meat-essences, peptones, and various artificial ferments. He is cautious in his anticipations of the results to be expected from modern discoveries. The discovery of distinct organisms like bacteria in specific diseases "may, perhaps, inaugurate a new era in medicine." Very little scientific therapeutics exists. The use of nitroglycerine is regarded as placed on a scientific basis; but there are not many drugs in the same enviable position. It is often called scientific to give remedies for each particular symptom. For example, in pneumonia to give antipyrin to abate the fever, antimony to promote expectoration, bromine to cause sleep, and strychnine to support the nervous system. He mentions, too, as not altogether to the credit of this generation, the abandonment of the use of opium in inflammatory cases, of arsenic in angina pectoris, and for a time of ipecacuanha in dysentery. Of the future of medicine he is sarcastic. We may put all microbes to the sword, take out all organs and have them washed and renewed by transplanting active glands like the thyroid, keep the brain in continual activity and preserve perpetual youth by the injection of Brown-Sequard's fluid, and reduce the intestinal tract to a minimum by injecting concentrated meat-essences into the blood until, bellyless, we develop into the angelic creature often portrayed—all head and wings.

The review of therapeutics contributed by Dr. Leach to the *Practitioner* is of infinitely greater value as a record than the personal reminiscences and prejudices with which Dr. Wilks interests us. Dr. Leach shows, decade by decade, what new medicines were introduced and what became of them. Just as the Queen came to the throne the Pharmacopœia of 1836 was coming into general use, and Dr. Leach observes that probably to no Pharmacopœia were ever such important additions made as to this. Among the novelties which then appeared he names quinine, morphine, strychnine, aconitine, veratrine; bromine, iodine, phosphorus; creosote, ergot, nuxvomica, and buchu; belladonna-plaster, tincture of iodine, and compound jalap-powder. In the first decade of the Queen's reign bleeding, purging, and blistering were in full vogue; in the second decade they began to totter. The introduction of cod-liver oil and anæsthetics belong to the first period; so, too, do the influences of homœopathy and hydropathy. In the second decade, 1847 to 1857.



chloroform was coming into general use, and the expectant and stimulant treatments of acute diseases became more popular. The practice of hypodermic medication dates from this era. There was much activity in the investigation of the properties of drugs in the ten years ending 1867. Fraser's research on the Calabar bean, and Gamgee and Brunton's work on the nitrites, from which nitrite of amyl resulted as a generally used remedy, are particularly notable. Antiseptic treatment was the characteristic feature of the next ten years, and since then serum medication, organic extracts, and synthetic remedies have been the outcome of physiological and therapeutical activity. Dr. Leach concludes his able treatise with a reference to "the enterprise of pharmacists, and especially of wholesale chemists," which "has led to the introduction of much more pleasant and convenient ways of administering remedies than existed in olden time. Instead of the powder and the pill we have the capsule and the dainty granule, and even the draught is at times replaced by the compressed tablet. Whether the concentrated condition in which medicines are introduced is an advantage, remains to be seen."

Certainly, it is proved that during the sixty years which the nation is now celebrating, if medical surgery and pharmacy have not been placed on a truly scientific basis, they have accomplished much towards rendering life more agreeable, and towards the reduction of the suffering with which it has always been so largely associated.

#### A DECENNIUM OF GALENICAL PHARMACY.

THE advent of the German into English manufacturing pharmacy is imminent. We may go further and say that for years certain galenicals made in Germany have been coming into the English market, while on the fringes of the British Empire, German extracts, tinctures, and the like are as common as similar articles made in England. We have no desire to create anything like a scare, but the fact must be reckoned with that German manufacturing pharmacists are beginning to appreciate the value of the British market, just as German chemical-manufacturers have done before them, and some of them appear to have the qualifications which entitle them to respectful consideration. Thus Mr. Eugen Dieterich, of Helfenberg, who has recently appointed two agents in London for the British home and colonial markets, has during the past ten years published an annual report of experimental and assay work done in his laboratories, and to mark the completion of the decennium, and the continuation of the work by his sons, he has just published a special volume in which the ten years' results are collated. It is a significant volume, since it embraces the testing of crude drugs and official preparations of them. Mr. Dieterich's object, direct or indirect, is to show what care in the practice of pharmacy exists in the Helfenberg factory; and, it will be admitted by all who have experience of practical pharmacy that encouragement of the experimental or research department of the wholesale is sooner or later followed by more economical and satisfactory production in the manufacturing department. That has been recognised in a practical manner by several firms in this country who have broken away from the old traditions, and have instituted scientific control of their laboratories. We question if in this respect the British wholesale drug-trade is behind Germany, where, after all, there are few Dieterichs; but there does exist amongst many of our old and young firms a disposition to ignore the benefits derivable from a scientific control, for some who have "a chemist" deny him the accommodation and appointments necessary for experimental work, while others expect the chemist to be a superior

laboratory porter. In the near future such firms will find themselves lagging behind their more enterprising neighbours, and it is they who will feel most keenly competition with the pushing wholesaler from other countries, especially in the loss of colonial and foreign trade.

Taking Mr. Dieterich's decennium as a typical instance of intelligent utilisation of science in manufacturing pharmacy, we briefly indicate the nature of the work reported in it. The volume contains the averages for the period—the first part dealing with crude drugs, and the second with galenical preparations. The methods of analysis and examination are described in most instances; many of the processes are original to the factory, and in the case of opium we have a complete monograph on morphimetry. The decennium begins with albumin, then comes Cape aloes, in which the percentages of moisture, ash, and water-soluble extractive from thirty-five estimations are given; following this is a paper on the detection of aloes in mixtures. Balsams, resins, gums, and gum resins make an honourable record because the Helfenberg chemists were amongst the first to apply the new methods of examination to these substances, including the acid, ester, iodine, and saponification numbers, which they have worked with such degree of exactitude that several resins whose therapeutical value was as clear as their chemistry was a mish-mash are now as well understood as, say, cinchona-bark. So also in regard to fixed oils. The data given in the volume for olive and other oils, resins, &c., are of great value to analysts. Some interesting data are given in regard to honey—density, acidity, opticity, water-content, and sugar-content being stated for twelve kinds of crude honey, two of purified, and one sophisticated; no fewer than 786 estimations are represented. Reference has already been made to the article on opium, which extends to 102 pages, and includes a *critique* of the English and foreign morphimetric processes. Beginning with Flückiger's lime-process, the monograph proceeds to discuss in succession the ammonia method, estimation of extract, assay of tincture, titration with standard potash, the Helfenberg method, and all the influences affecting the result, Loeff's method of assay, the solubility of morphine in free alkali and alkaline carbonates and bicarbonates, influence of shaking on morphine values and of temperature on the residues, Schlickum's, Kremel's, Squibb's, Stillwell's, Cornwall's, Teschemacher and Smith's, Williams's, and other methods compared with Dieterich's, a second study on titration, especially with reference to indicators, the influence of narcotine salts and of various inorganic bases in the morphine yield, together with many other analytical actors, the whole including complete analyses of all known kinds of opium, of which hundreds of specimens were assayed. The next important section deals with vegetable drugs, as to which the yield of aqueous and alcoholic extracts is given, with active principle where obtainable; then come the waxes, which have always been a strong point at Helfenberg, and here averages are recorded of 2,540 estimations of yellow wax and 240 of white. This practically completes the first part of the volume. The second, on preparations, is not less valuable, especially as nearly all the methods of examination are original, and they help to fix more definite standards than the eye, the nose, and the tongue afford. The galenicals reported on are acetæ, aquæ, chartæ, emplastra, extracta, iron and manganese preparations (albuminates, &c.), pulveres, sapones, tincturæ, unguenta, and vina. The following translation of one entry will show the nature of the work recorded:—

*Extractum Aconiti Spissum, Ph.G. II.*

Volatile matter: 17.26–23.83 per cent. (four estimations).  
Ash: 2.56–4.20 per cent. (four estimations).



K<sub>2</sub>CO<sub>3</sub> in ash: 50-63·6 per cent. (four estimations).

Alkaloid: 1·2-2·9 per cent. (eleven estimations).

Soluble in spirit: 58·4 per cent. (one estimation).

Then follow notes on the identity tests and identity reactions.

The analytical methods described are interesting and suggestive, but these become of secondary importance when one recalls the fact that the object of the whole is to secure such control over the inlets and the outlets of a large business that its reputation will be maintained and the highest economy ensured in buying and selling. We do not overlook the fact that "Der Helfenberger Annalen" is published by Mr. Dieterich for a specific purpose, at the same time the English wholesale drug-trade should not delay too long in learning what they can from such competitors. The new century will see a distinct change in the trade; the manufacture of galenicals will more and more be concentrated into the hands of wholesalers, and there will be a corresponding increase in the stringency of tests for such preparations. Those who have set their houses in order by bringing their equipment up to modern ideas, and are, or have associated with themselves, competent and skilled scientific directors, will get the cream of the trade, and will be best able to stand competition from without.

### CITRIC AND TARTARIC ACIDS.

AFTER a long period of depression citric acid began, last week, to show some signs of improvement. Tartaric acid, which may, in a sense, be called the sister article to the first-named, has been in fairly brisk demand for some considerable time past, but neither has as yet moved upward to any considerable extent. Not so very many years ago the difference between the highest and lowest market price of the acids in the course of a single twelvemonth represented a larger figure than the entire present cost of either drug. Those were days in which it was worth while to try an occasional speculation, and when the middleman could make a fair margin of profit. But at the present time the price has fallen so low, and competition has become so keen, that a bare commission percentage or brokerage is looked upon as the nominal rate of profit for handling the articles. For some time past the manufacture of citric acid must have been a much more profitable branch of industry than that of tartaric. In the first place, there is much less competition in the former than in the last-named commodity. In the second, although the selling-price of citric acid is extremely low at present, the raw material has declined proportionately still more than the manufactured article. Concentrated lemon-juice has never been lower in price than during the season which has recently closed. We believe that business was done within the past two or three months at 11*l.* 2*s.* 6*d.* per pipe, f.o.b. Messina. And even now 12*l.* 5*s.*, f.o.b., is considered an acceptable quotation. That price is based on a yield of 64 oz. of citric acid per gallon. A pipe of 130 Old English, or 108 Imperial, gallons therefore represents 520 lbs. of citric acid, costing the manufacturer, inclusive of freight, about 5½*d.* per lb. in the crude state. At a selling-price of 1*s.* 1½*d.* per lb. for the B.P. article there is consequently a fair margin for working-expenses and manufacturing profit. It is the middleman whose gains have been curtailed, not the least because the makers take good care to prevent the market from being swamped by second-hand supplies. It is true that we are constantly being informed that the poor Italian lemon-grower has been squeezed almost as dry as his own exhausted fruit; that he is at last cutting down his lemon-trees in real earnest, in despair at the low rates of the eating

fruit, the juice, and the essential oil, and is turning to the Government to assist him in growing tobacco, or some other crop, from which he may make a fair living; but in reality there seems to be hardly a limit to the extent to which that worthy agriculturist can be depressed.

And for the present, at any rate, there is no prospect of a considerable rise in lemon-juice, or, for the matter of that, in citric acid. May the season be never so thirsty or "Jubilious," the citric-acid supply is not likely to run short to such an extent as to warrant an advance of more than 1*d.* or 2*d.* per lb. on the present rates.

Within the last three years the conversion of the juice of the fresh lemons into citrate of lime instead of concentrated lemon-juice has acquired a certain measure of popularity with the Sicilian shippers. Citrate of lime is chiefly exported from Palermo. We understand that the principal English citric-acid makers have had a portion of their raw material sent to them for many years in the form of citrate of lime, but they naturally treated that fact as a sort of business secret. The chief advantage of importing crude citric acid in this form is that citrate of lime, being a solid, does not lose by leakage, which often causes considerable loss in concentrated lemon-juice. When juice cost from 50*l.* to 60*l.* per pipe (as it did between 1872 and 1875), the loss incurred by leakage was a still more serious matter than it is now, but even to-day the risk is sufficiently large to be worth avoiding, although the conversion of the fresh juice into citrate of lime is not without its disadvantages. One of these is that the citrate is very liable to decompose, while the juice can be kept good for years.

The present over-production of lemons in Sicily is no doubt chiefly the result of the reckless manner in which new plantations were laid down in the days when the products of the tree realised high prices. At that time citric acid was much more largely used for industrial purposes—especially in the dyeing of woollen, silk, and cotton goods—than it is now. In these industries changes of fashion, and the introduction of improved dyes, have diminished the demand for the acid. On the other hand, its consumption in the manufacture of mineral waters (although it has here a formidable competitor in tartaric acid) and of effervescing salines has extended enormously, and is still growing. At the same time the English citric-acid makers, who in the 'seventies supplied almost all the world, have seen many foreign markets almost closed to them. There are now several citric-acid makers on the Continent and in the United States. This year America has taken fair quantities of English citric acid, but that is an exception nowadays. The colonies and Russia are still excellent customers; and Germany buys about 75 tons a year in this country. The highest citric acid price known (4*s.* 9*d.* per lb.) was paid in 1873. Ever since that time, however, the price of the drug has been steadily declining, although it was not until 1879 that the average value fell below 2*s.* per lb.—a price which would now be considered a godsend by the makers, and which the drug may not reach again for many years to come.

It is curious to note that the West Indian concentrated lime-juice, which occasionally comes into this market, and might become a formidable competitor of the Italian article, has never found much favour with our citric-acid makers. The West Indians, presumably to save freight, have a habit of concentrating their lime-juice to nearly twice the strength of the Italian article. Consignments have been known to test 120 oz. of citric acid per gallon. The W. I. juice appears to be much less workable than the Sicilian, and therefore realises comparatively lower rates. Were it otherwise, a steady, if not very lucrative, trade might be gained for our own colonies.

So far as tartaric acid is concerned the manufacturers have but little reason for elation. The price of this article is not, indeed, quite so low now as it has been; in 1894 sales were made at  $10\frac{1}{2}$ d. per lb., and at present the makers' quotation is 1s.  $1\frac{1}{2}$ d. per lb., but the raw material leaves a smaller margin of profit than in the case of citric acid, and competition is very much keener. There is, we believe, only a single tartaric-acid maker in England, but in Germany, France, Spain, and Italy manufacturers have within the past few years sprung up like mushrooms, and, in spite of a more or less water-logged "convention," competition has grown so keen that some of the smaller works have had to cease operations. The tartaric-acid industry affords a curious instance of the inability of Germany to hold her own in an industry not protected by Customs duties. Both citric and tartaric acids are on the free list in Germany. The former she mostly buys in England, and in the last-named France and Italy are beginning to compete in the German home market, besides having supplanted German makers in such neutral markets as Switzerland and the Levant. The difficulty which the German tartaric-acid industry has in keeping its own is well shown in the subjoined statistics, which are taken from official records, but have not, so far as we are aware, been published before:—

	German Produce- tion	German Exports	Of which to U.K.	German Imports from France, Italy, &c.
	Tons	Tons	Tons	Tons
1893 ...	—	1,176	731	58.3
1894 ...	1,427	1,162	730	31.5
1895 ...	1,523	1,146	732	51.5
1896 ...	1,265	1,098	724	72.8

It will be seen that while the output of German tartaric acid is decreasing, the importation of foreign tartaric acid into Germany is increasing rapidly.

After the very low tartaric-acid prices of 1894, a considerable rise took place in the spring of 1895, as a result of the unfavourable vintage prospects, and the advance then established has been maintained without much trouble. At present the mineral-water season is just opening, and there appears to be a sort of expectation that a sudden demand may set in which will drive prices upward. It seems to be taken for granted that the German works, who are the principal competitors of the English makers, are not in a position to supply their usual capacity this summer, and it is said that there is comparatively little stock in second hand. That may be so; but, as in the case of citric acid, we can see little prospect that the advance, if it comes, will be able to maintain itself long much above the present quotations.

Formerly tartaric acid, like citric, was very largely used in the textile industries. But the consumption of the acid in cotton-printing and Turkey-red dyeing appears to have fallen off a good deal. On the other hand, its employment in mineral-water manufacture has grown very much, and the requirements for baking-powder making, especially in the United States, are much in excess of what they were a few years ago. There is a certain correspondence in the price-fluctuations of citric and tartaric acids, and the difference in the selling quotations of the two shows a tendency to grow smaller and smaller. Up to the year 1877 citric acid was seldom less than twice as high in price as tartaric. In 1873, when citric reached 4s. 9d. per lb., tartaric acid sold at about 1s. 7d. per lb. But latterly there has only been a price-difference of from 3 to 5 per cent. between the two articles.

#### THE GOLD-MINE BUSINESS.

The *Echo*, we find, continues to dispense wisdom to all seekers for enlightenment. Here is a nugget which one of its contributors is allowed to supply:—

(34,994) PROFESSION.—Apprentice him to a well-known, responsible chemist, with a good dispensing-practice, with the condition to study and go up for examinations. A good chemist's business is as near to a gold-mine as possible. Few mixtures, apart from the price of the bottle, cost 1d., so that at a 1s. or 1s. 6d. there is a wide margin.—*Blennerhasset*.

Perhaps an action for libel for such a paragraph would not lie, but the poor victim might have a claim for damages if he should act upon the advice given.

#### THE NEW BOTANY.

The death of Dr. Julius Sachs, the distinguished botanist, is a great loss to biological science, but rarely does one die who leaves behind him so complete a school of disciples. A quarter of a century since few in this country who studied botany were prepared to accept the theories of the science, and the methods of teaching it, which Dr. Sachs advocated. Up to that time systematic or utilitarian botany had been the be-all and end-all of botanical study in this country, and such a thing as a histological laboratory was unheard of. The publication of Sachs's "Lehrbuch" in English, done by Dr. Sidney Vines, one of the first Englishmen to appreciate Sachs's teaching, opened the eyes of all who could get rid of old-fashioned prejudices; and the new school has grown so rapidly in this country that there is a tendency to neglect the systematic side of the science, which, after all, is the main thing. Dr. Sachs was a painstaking observer, a hard worker, clear writer, and those who have come under his influence as a professor speak of the fascination of his personality and his care as a teacher.

#### PROFESSOR GREEN'S "BENTLEY."

We congratulate Professor Reynolds Green on the exceptional popularity which has attended the publication of his revised edition of Bentley's "Botany." Although it is scarcely two years since Volume I., dealing with the morphology and anatomy of plants, was issued, for some months the book has been out of print, and second-hand copies have been selling at a premium. A second edition was issued this week. It contains eight pages more than the last one—viz., 408 pages. The preface states that—

The chapters on morphology have been revised and, in some cases, compressed. The section on the inflorescence has been rewritten, and that on the sexual reproductive organs has been rearranged in view of two years' experience in teaching classes at Bloomsbury Square, since the adoption of this manual as the text-book there.

The changes altogether are in the nature of finishing touches, but they are quite observable to the careful reader, particularly the introduction of some new woodcuts. A large number of verbal alterations and corrections have been carried out. We observe with regret that Professor Green has removed from the title-page the line "Based upon the Manual of the late Professor Bentley." We considered that line an inadequate acknowledgment in the first edition, but there now remains nothing in the volume to indicate that it is Professor Bentley's book revised by Professor Green. In the first preface occurs a sentence to the effect that the book is "to take the place of the 'Manual of Botany,' written by the late Professor Bentley," which leads one to infer that it is a book *de novo*, while, as a matter of fact, by far the greater proportion of the text is Professor Bentley's unaltered. Surely, it would not detract in the least from Professor Green's reputation to mention the old Professor's share in the origin of the work. Messrs. J. & A. Churchill remain the publishers of the book, which is priced at 7s. 6d.



## ONE FOR AUSTRALIA.

Professor Oscar Oldberg, commenting in the *Bulletin of Pharmacy* upon the Victorian Pharmaceutical Society's qualifying examination, says:—

In some respects this examination is as extensive as would be likely to take place in any American college of pharmacy for graduation, and certainly far more serious than any State board examination in the United States.

This from one of the educational leaders of U.S.A. is praise.

## WINCHESTER PINTS AND QUARTS.

A correspondent lately asked us what is a Winchester pint. Our first impression was that it was half a Winchester quart, but our attempt to verify our guess proved a rather tedious one. Mr. H. J. Chaney, in his recent work on "Our Weights and Measures," refers, of course, to the Winchester gallon, but makes no mention of either the Winchester pint or the Winchester quart. Nor could we discover any allusion to either of these measures in the "Encyclopædia Britannica," or in either of the three or four other encyclopædias or half-dozen dictionaries into which we peered. At last we found in the "Century Dictionary" the following definition of the Winchester pint:—"A measure a little more than a wine pint and a little less than a beer pint." The "Century Dictionary" refers to no authority. The old Winchester standards lasted in this country from 1588 to 1824, when they were superseded by the Imperial measures. The old Winchester corn gallon contained  $272\frac{1}{2}$  cubic inches, the wine gallon 231 cubic inches, and the ale gallon 282 cubic inches. The Imperial gallon contains  $277\frac{1}{4}$  cubic inches. The questions on which we should like information are—What is a Winchester quart the fourth of, or how it came to designate a half-gallon? and whether it and the Winchester pint were ever recognised measures?

## HOW MICROBES ARE CARRIED IN SEWERS.

Professor Charles Tichborne recently read a paper to the Royal Academy of Medicine in Ireland on the dissemination of micro-organisms, in the course of which he made the interesting statement that he believed the microbes of enteric fever, when carried in water or brought mechanically to a receptive surface, to be capable of rising in such a vapour as sewer-gas. Professor P. F. Frankland has shown that liquid sewage-matter is not likely to be scattered into the air except by gas generated in it. Professor Tichborne is of opinion that this gives the clue to the dissemination of microbes, but not exactly in the direction which Frankland indicated. Professor Tichborne thinks that the microbes can be carried by a condensed vapour exactly represented by ordinary dew. At certain hours of the night, just as the rising vapour is seen settling as dew in a valley, the temperature of the water-laden vapour of the sewer is lowered by being met by the layer of cold night air through the open traps, which determines a dew-point in the sewers themselves. He has found from actual experiment that the temperature of the sewer-water as it flows from the large sewers is generally  $2^{\circ}$  or  $3^{\circ}$  above the temperature of the night air. Each particle of dew becomes a raft which carries microbes upon its surface for miles, and as the sun's warmth dissipates the morning dew the water-raft disappears, leaving the microbe suspended in mid-air, perhaps in a dwelling-house where it has been carried through a warm shaft. As a remedy for this, Professor Tichborne suggests that sewers should be treated with insoluble disinfectants, of sp. gr. 0.850 to 0.950, so that they would float on the sewage. Carbolic acid and disinfectants heavier than water are useless, because the unaffected stream of sewage passes over their surface.

"CONSECRATED SALUTATION" is what liq. sodæ chlor. had got converted into at Chard.

## General Medical Council.

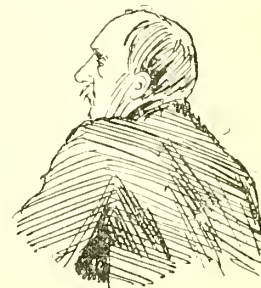
THE Medical Parliament continued its sittings until Monday. Sir Richard Quain, Bart., the president, made a gallant attempt to occupy the chair; but his recent illness seemed to have left him weak, and he had over and over again to pass his sceptre to Sir Wm. Turner.

## NEW MEMBERS OF THE COUNCIL.

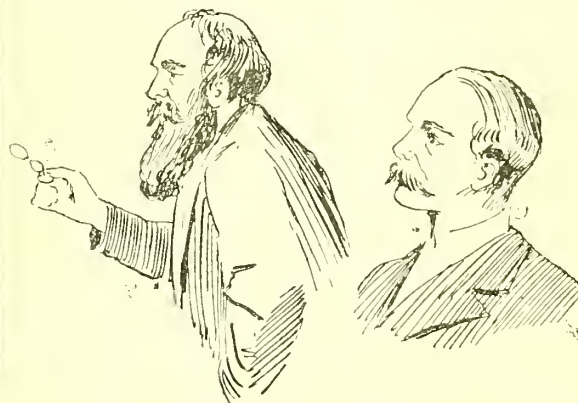
Some interest naturally occurred at this session in watching the demeanour of the new members. The two new English representative members at least are not at all disposed to fill a silent role in the proceedings.

Professor Robert William Reid represents the University of Aberdeen, *vice* Dr. Angus Fraser, whose disappearance reminds members of the President's farewell remarks to the effect that "though he did not often address the Council, his observations were always valuable and were received with attention and respect." It is hoped possibly that Professor Reid will be less taciturn than his predecessor, but so far he has not afforded us any opportunity of criticising his oratorical style.

Mr. George Brown is one of the newly elected direct representatives on the Council. He has a reputation for fluency and pertinacity, but such qualities are not necessarily sufficient to enable their possessor to command the respectful attention of the Council. Mr. Brown was well to the fore, but his proposals, almost without exception, were vetoed by the Council.



PROFESSOR ROBERT WILLIAM REID.



MR. BROWN.

DR. RENTOUL.

Dr. Rentoul, another of the elected representatives, has one pet idea, and that is the non-registration of midwives—or, rather, their recognition under such conditions as shall make them, when registered, the humble dependents of medical men. Disappointed in his desire to get the Council to discuss his draft bill, he wrote to the journals threatening not to attend the meeting; but he turned up all the same, and did some useful work.

## "INFAMOUS CONDUCT."

The May meeting of the Council is nominally reserved for educational and collateral topics; the consideration of cases coming under the penal clauses of the Medical Acts being, as far as possible, reserved for the autumn. In practice, however, it is obviously impossible to hold over cases six months merely as a matter of convenience. Several of these so-called penal cases had, therefore, to be dealt with at this session. The first was the case of



*Mr. Rees Thomas Edward Davies,*

of New Tredegar, who was found guilty at the last meeting of the Council of systematically "covering" a certain unqualified person. As this word "covering" has not yet found its way into any standard dictionary in the technical penal sense in which it is now currently employed in medical circles, it may be well to explain that it means the act of "authorising, permitting, and enabling unqualified persons under cover of one's name and qualification to administer medical treatment to patients, and generally to carry on medical practice and perform the duties which can properly be performed only by practitioners recognised by law." If space permitted, and were the occasion more opportune, several flaws might be pointed out in this definition, especially in respect to the discharge of duties which, it is gratuitously assumed, can "only be performed" by registered practitioners. Be this as it may, the aforesaid gentleman was adjudged guilty of the charge brought against him; but as he showed signs of immediate repentance, and was well-advised enough not to defy the Council, he was accorded six months' delay, in which it was hoped he would show by his behaviour that he realised that "repentance means to leave. The sins we loved before." Mr. Davies appeared in person, and stated that he had discharged the assistant in question, and had not employed any other since. A letter was also read from the complainant, testifying that he was "satisfied" with Mr. Davies's recent action. Whereupon the Council, mollified by the submission of the offender, who, after all, had only done what is being done currently by scores of other colliery practitioners, formulated a resolution to the effect that "it does not adjudge him guilty of infamous conduct in a professional respect." This, in the procedure of the Council, is equivalent to a verdict of "not guilty, but do not do it again."

*The Case of Mr. Daniel Costelloe.*

Mr. Costelloe, less fortunate than the defendant in the case just referred to, incurred the penalty usually awarded in cases of covering, and his name was removed from the Register in December, 1894. He now appealed to have it restored, and as he had been careful to comply with the standing orders in that case made and provided, his petition was favourably received, and he was authorised to re-enter the fold.

*The Case of Mr. Timothy Siddall Jones.*

The defendant in this case did not appear when called upon to answer the charge, for the sufficient reason that he is now undergoing a sentence of penal servitude for life, inflicted upon him for certain illegal practices which, if regrettably common, are still regarded by the law as worthy of condign punishment. The conviction having been proved, his name was ordered to be removed from the Register.

*The Case of Dr. Robert Alexander Douglas Lithgow.*

This trial was the one interesting event of an unusually dull session, and considerable interest was manifested in the proceedings, both within and without medical circles. The accused has for years been engaged in a busy West-end practice, and the incidents on which the charges brought against him were based date back a couple of years or so. Dr. Lithgow, it may be remembered, was mixed up with a social scandal which attracted a good deal of attention at the time. It transpired at the inquest that he had been asked to see a lady patient of one Collins, whose name had been removed from the Register consequent on a conviction for felony. When the patient died he certified the death (Mr. Collins no longer being in a position to sign his own death-certificates) as due to enteritis. A *post-mortem* examination, however, revealed the fact that the fatal result was in reality due to septic peritonitis consequent on abortion. After a long and inexplicable interval of time, Dr. Lithgow now found himself charged with "covering" Collins. The charge was brought by the Medical Defence Union, represented by Mr. R. W. Turner; while the defendant was represented by no less a personage than Sir Frank Lockwood, Q.C.

In support of the charge, Mr. Turner showed that Dr. Lithgow had been in the habit of seeing patients for Dr. Collins, and in the particular instance referred to he had visited the patient at Dr. Collins's request. He had called on two other occasions, but had not seen the patient, "as Dr.

Collins had already seen her." On one occasion he had seen the patient, in conjunction with Dr. Collins, when the uterus was dilated and scraped, a somewhat serious operation, in which he himself had taken no part—a very grave admission, seeing that, in the eyes of the law, Collins is an unqualified person.

There was another charge against Dr. Lithgow—viz., that of having acted as cover to a Mrs. Maitland King, a lady who styles herself M.D. and carries on an electro-massage establishment in the purlieus of Grosvenor Square.

Sir Frank Lockwood, on rising to defend his client, gave unmistakable signs of being out of his element. The procedure of the Council is, indeed, peculiar to itself. Witnesses not being examined on oath, the ordinary rules of evidence are modified, so that an experienced counsel is sure to be at a loss in knowing what to allow and what to object to in such matters. After a preliminary skirmish with the prosecuting counsel, he reminded the Council, very unnecessarily, of the gravity of the matter in hand. He made an unsuccessful attempt to enlist the sympathies of the Council by representing Dr. Lithgow as an old and constant friend of Collins, whom he had known in prosperity and had clung to in times of adversity. He admitted on behalf of his client that he had often seen patients for Dr. Collins, but asserted that it was only, or almost only (that fatal "almost"!), when that irregular practitioner was out of town (the inference being that when a patient went wrong Dr. Collins usually found it convenient to "go down"). He protested against the Council allowing itself to be influenced by innuendoes respecting the nature of the practices brought to light by the inquest, pointing out that the charge was not one of improper medical practice but of "covering." He urged that what had really happened was that Dr. Collins, seeing that the case was going wrong, had simply and purely handed over the patient to Dr. Lithgow; but, unfortunately for this contention, the Coroner's depositions prove clearly enough that Dr. Collins continued his attendance and really continued to treat the patient, Dr. Lithgow being merely a passive spectator. He wound up by declaring that Dr. Lithgow courted the opportunity of proving that, if indiscreet, his conduct had never been anything that could afford a handle to hostile criticism.

Dr. Lithgow accordingly went into the sort of dock and submitted to cross-examination. He denied that Dr. Collins had performed any "operation," regarding what was done as merely of the nature of an "examination," in apparent ignorance of the fact that it is a very serious and even dangerous proceeding. He was constrained to admit that he had acted, not instead of, but in conjunction with, Dr. Collins on this occasion, but he asserted that many well-known men had been in the habit of meeting Dr. Collins in consultation. He was asked to give these names for the information of the Council, but though his counsel offered to do so in writing the point was not pressed, in deference to the advice of the Council's legal adviser. In respect of the second charge, he said he was physician, and not "consulting" physician, to the Massage Institution, a damning admission under the circumstances. In these days of massage scandals Dr. Lithgow must regret that he ever allowed his name to be put forward as consulting physician to such an establishment. His duties also led him to examine patients who were doubtful whether they were fit to undergo the treatment, and in no single instance had he thought fit to decide in the negative. The most amusing part of this section of the case was the fact that, in common with several other medical men, he had "strongly recommended" the treatment, yet, when asked whether he could describe the treatment, he could only say that he had a vague idea that "in some way it was electricity applied to massage," a fact which throws a disagreeable light on the way in which medical testimonials are sometimes given.

Ultimately the Council arrived at the conclusion that Dr. Lithgow was guilty of both the charges brought against him, and his name was ordered to be removed from the Register



DR. LITHGOW.



by reason of "infamous conduct in a professional respect"—a verdict which seemed to take him very much by surprise.

*The Case of Mr. Edmund Evance Hooper.*

Mr. Hooper is a venerable-looking gentleman with a long white beard and an aquiline face, who carries on medical practice somewhere in the neighbourhood of New North Road, N. He, too, alas! was charged with the heinous offence of "covering," the charge being based on the evidence given before one of her Majesty's Coroners, who, be it remarked in parenthesis, seem to be very much on the look-out for offences against the Medical Acts. Mr. Hooper keeps one or more open surgeries, which appear to be manned by unqualified assistants, and one of them



MR. HOOPER.

had, unfortunately, prescribed for a child, who subsequently died without having been interviewed by Mr. Hooper. There was nothing of particular interest in the evidence. Mr. Hooper said he never read the medical journals, and consequently was ignorant of the resolutions of the Council in respect of the employment of unqualified assistants. He was asked whether his assistant had to dispense scheduled poisons, and on his replying hesitatingly in the affirmative, he was asked whether he was not aware of the existence of an Act of Parliament which provides that poisons shall only be sold by persons possessing a pharmaceutical qualification, of which he confessed his entire ignorance.

He conducted his own defence, but this really only amounted to an unsolicited testimonial for the unqualified assistant, in whose medical attainments he professed the greatest confidence and admiration, adding that if he himself were ill, he would ask nothing better than to be ministered to by him.

The Council was evidently disposed to be indulgent towards such a venerable sinner, and was anxious to discover a means of avoiding the necessity for proceeding to extremities. After long deliberation Mr. Hooper was adjudged guilty of the charge, but a decision was deferred for six months, doubtless in order to give the defendant an opportunity of putting his house in order.

THE B.P.

came up again on Thursday, May 27, when the following report was received and entered upon the minutes:—

The Pharmacopœia Committee report to the Council that the progress of the work of revision of the British Pharmacopœia can be readily estimated from the draft proofs which have been issued to the members of the Council. These comprise the whole of the text of the volume, and the work which remains to be done consists of the Preface, the completion of the Appendix, and the preparation of the Index. It is proposed to place the modifications desired by the Colonies in the Appendix, and it is also proposed to somewhat alter the arrangement of the Index, so as to include complete lists of official preparations, and also the doses.

In the labour of revision the Committee has received most valuable assistance from all the referees, who have contributed many very useful criticisms and suggestions. From the present condition of the revision it is hoped that it may be possible to place the completed volume before the Council at the next meeting in November. The Committee cannot ensure this result unless all copies of the draft now issued are returned by June 30, 1897.

In a finance report it was stated that a sum of 2,603*l.* has been expended on the production of the new Pharmacopœia during the last four years, as against 1,339*l.* in the four previous years.

DENTAL BUSINESS.

Reports on the several dental examining-bodies were submitted and held over for consideration by all concerned, except, of course, the candidates and teachers. Mr. C. S. Tomes's report on the English Board was particularly interesting. He briefly related the history of the English L. D. S., stating how the examination is conducted, and that the candidates go forward by numbers, their names being

known only to the Secretary. The written, practical, and *vis-à-vis* examinations were described, Mr. Tomes summing up "the examination is not only sufficient, but leaves little to be desired." Mr. Tomes reported also upon the Irish Licence examination, and in somewhat freer fashion, criticising it here and there, condemning the *sine curriculo* arrangements, under which 490 have passed since 1878, while only 14 have passed *cum curriculo*. Proposals for the unification of the examinations in the three kingdoms, for modifying the curriculum, and for amalgamating the Glasgow and Edinburgh Boards were made for decision in November.

THE REGISTRAR.

The Council being legally advised that they have no power to grant annuities gave Mr. Miller, the retiring Registrar, a gratuity of 1,000*l.*, and appointed Mr. H. E. Allen, the Assistant-Registrar, to succeed him at a salary of 500*l.* per annum. Mr. Allen also received a gratuity of 75*l.* for his extra services during the past six months.

THE DUBLIN EXAMINERS.

Messrs. Arthur Chance, F.R.C.S. Irel. (Merrion Square West, Dublin), and Henry Alexis Thomson, M.D. Edin., F.R.C.S. (32 Rutland Square, Edinburgh), were appointed assistant examiners in surgery at the Apothecaries' Hall, Dublin, at 5*l.* 5*s.* per diem while engaged in the examination, 1*l.* 1*s.* per diem for hotel-expenses, and first-class fares.

FINANCE.

The Council have during the past year been in a similar position to the Pharmaceutical Council—viz., have outrun the constable by 1,526*l.* A committee was therefore appointed to inquire into the matter, and they reported that there had been exceptional expenditure in several directions which will now cease, and the Pharmacopœia will be a source of profit.

International Chemistry.

LAST Friday evening Professor Henri Moissan, of the Paris School of Pharmacy, lectured to a distinguished audience at the Royal Institution, Albemarle Street, London, W., on

THE ISOLATION OF FLUORINE.

The professor gave an account of the researches which he has made by means of the electric furnace, and which have resulted (amongst other things) in the isolation of fluorine, the previous existence of which in a free state was doubtful. These researches have been reported in THE CHEMIST AND DRUGGIST as they were communicated to the Academy of Sciences, and we therefore need not go into them again; but the brilliance of last Friday's experiments at high temperatures, in the lecture-theatre which is historic for experiments at the opposite end of the scale, will not soon be forgotten by those who witnessed them.

At the Academy of Sciences, Paris, on Monday, Professor Moissan made an important communication on

THE LIQUEFACTION OF FLUORINE.

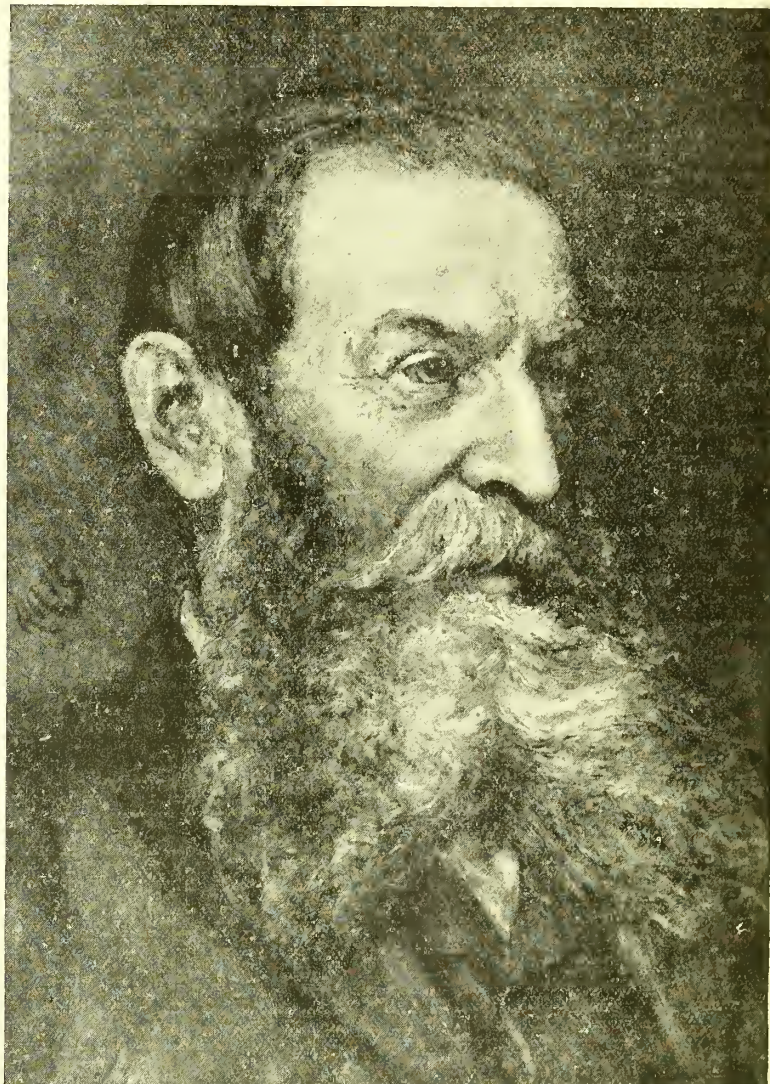
While in London and at the Royal Institution he had taken the opportunity of associating himself with Professor James Dewar with the hope of liquefying this hitherto refractory gas, and with success, he and Professor Dewar having at about -185° C. liquefied it. The experiments were made with the apparatus used by Professor Dewar in his investigations. Professor Moissan explained that when a current of fluorine gas is passed into a tube immersed in boiling liquid oxygen liquefaction does not occur, but as soon as that temperature is diminished by exhausting the gas above the liquid oxygen, the liquefaction of the fluorine begins, and a clear yellow and extremely mobile liquid is obtained, which resumes the gaseous state as soon as the temperature rises. This liquid is destitute of the chemical activity characteristic of fluorine in a state of gas. It no longer attacks glass, silicon, sulphur, or phosphorus, but still attacks hydrocarbons, and its affinity for hydrogen seems still to exist. With oxygen it forms at these low temperatures a very curious detonating compound. Professors Moissan and Dewar are continuing their investigations.



## Professor John Attfield, F.R.S.

ANNEXED we have much pleasure in showing a reduced reproduction of the portrait of Professor Attfield, which Professor Hubert Herkomer, R.A., so generously presented to the committee organised by Mr. John Moss to pay a tribute of respect to the popular teacher of pharmaceutical chemistry.

The portrait is produced by Mr. Herkomer's patented process. By it the painter's brush-strokes are faithfully reproduced in every detail. The plate from which the pictures are reproduced measures 15 by 11 inches, and will be printed on stiff paper 27 by 20 inches. Every portrait will be signed by Professor Herkomer, and a copy will be sent post-free to every subscriber of 10s. to the memorial. The subscriptions were strictly limited to 10s., and no more money is required, except from friends who wish to have a portrait. It is particularly desired, however, that as many signatures of Professor Attfield's pupils and friends shall be included in the album which will be presented to him. Over 1,100 have already been sent in, and these include a long list of eminent chemists and medical men all over the world, together with the most notable of the Professor's neighbours, such as the Earls of Essex and Clarendon, Lord Grimthorpe, and others; but it is particularly requested that any friends who have not yet done so will send their autographs as soon as possible to Mr. John Moss, 39 Tressillian Road, St. John's, London, S.E. The intention is to take an early opportunity of presenting to Professor Attfield, in the presence of his family and private friends, the illuminated album, which will contain the signatures and an address, and with it a large silver tray and a complete silver tea and coffee service. The original picture is Rembrandtesque in style, and is executed by the new Herkomer printing process. In this the artist works upon a copper plate with a patent medium; the surface of the painting is then sprinkled with a special powder, the superfluous powder shaken off, and an electrotpe of the whole made.



### The P.A.T.A.

THE executive committee have been trying to arrange meetings of grocers in support of their scheme, and we hear from several places how their proposals have been received. At the quarterly meeting of the Blackburn Grocers' Association held on Wednesday the letters from the P.A.T.A. were read, and the President (Mr. M. Dalton) said the objects of the Society were pretty well known. It had been got up chiefly by the manufacturers and chemists. Several important grocers throughout the country had joined the Society, and no doubt more would do so. He, personally, did not see why they should go out of their way to assist the manufacturers in fixing prices at a higher rate than they had been in the past, and to assist also members of the Pharmaceutical Society, which had prosecuted grocers throughout the country. If chemists wanted to go hand-in-hand with the grocer, they must grant the concession the grocers asked for. Patent medicines had been in the possession of grocers for many years, and they asked manufacturers to meet them fairly, and allow them to hand over

the counter something which could not injure the public in any way, and which had been put up by practical persons. Until they did that he thought they ought not to assist the Association in any way.

This seemed to be the unanimous opinion, and a resolution was carried that the Blackburn Association will have nothing to do with the P.A.T.A.

Mr. Glyn-Jones addressed a well-attended conference of grocers, convened by the Pontypridd Grocers' Association, at Pontypridd on Tuesday night. Representatives had been invited from the grocery circles of the adjoining Rhondda and Merthyr Valleys. Mr. William Williams, President of the Pontypridd Association, presided. Mr. Glyn-Jones gave a spirited address, which was very cordially received.

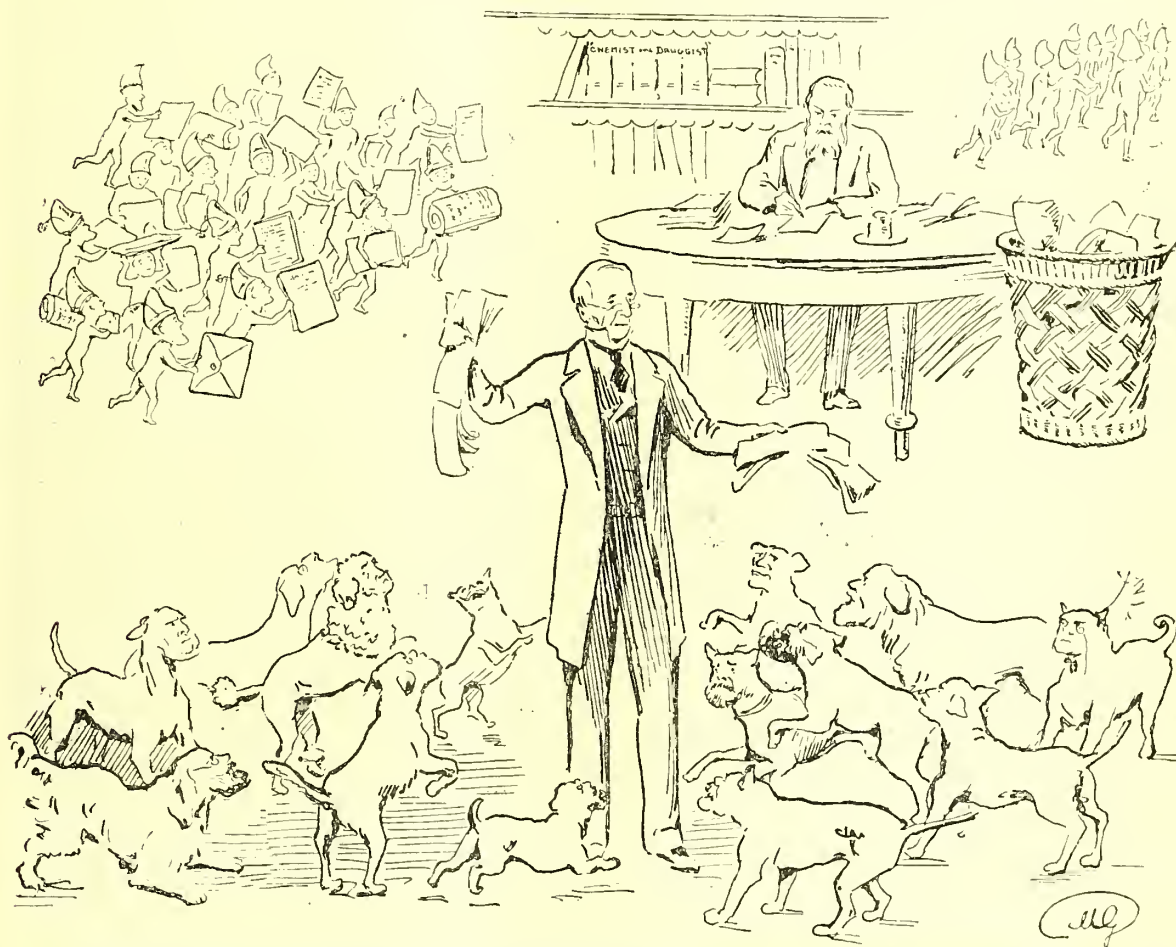
At a meeting of the executive committee of the Cardiff Grocers' Association on Monday, under the presidency of Mr. T. S. Gower, a letter was read from Mr. W. S. Glyn-Jones asking the committee to convene a meeting of the trade so that he might explain to them the scheme promoted by the



Proprietary Articles Trade Association for the prevention of cutting. The President said this was a question which was coming before the Liverpool Conference of the Federation. It had already been discussed by the members of the General Purposes Committee, many of whom thought that the scheme of the Proprietary Articles Trade Association would be injurious to the grocery trade, from the fact that a chemist would be able to substitute articles of his own preparation in lieu of many of the proprietary articles, and sell them at a price below which the latter could be retailed. Then again, there was the question of penalties, which the best legal opinion de-

clared could not be enforced. Therefore, if any manufacturer found that he was suffering in trade through the regulation of prices, there was nothing to prevent him breaking away from the Association. Personally, he thought the scheme was fraught with many difficulties, and opinion amongst their own members was so divided that the less they had to do with it the better. The members generally seemed strongly opposed to the P.A.T.A. scheme, and a resolution was carried to oppose the scheme proposed by the Proprietary Articles Trade Association, and to request their delegates at the Liverpool Conference to vote against it.

### The Jubilee B.P. and its Critics.



"I have very great satisfaction in announcing that the material for the British Pharmacopœia has been completed, and will be placed in the hands of the Council during the present session."—From Sir R. Quain's presidential address to the General Medical Council.

*Petite hinc, juvenesque senesque,  
Finem animo certum, miserique viatica canis.*

To the Medical Council Sir Richard declared  
Ere the session is over proofs shall be prepared,  
And when they're before you I am sure you will see  
What a glorious work is our latest B.P.

We've revised all our forms for plasters and pills,  
For tincture of rhubarb and syrup of squills,  
While, as usual, we've taken good care to make free  
With private receipts for our coming B.P.

Good John the Professor has worked day and night,  
And he thinks he has now got his processes right.  
He has read every page of the famed *C. & D.*,  
And has boiled it all down for our coming B.P.

There's oof by the thou', as most of you know,  
And we stick to it all, for this is our show;  
But our heartiest thanks you will surely agree  
To vote to the chemists who have made our B.P.

And you scoffing critics, whose only idea  
Is to snap and to snarl at our Pharmacopœia,  
I fancy it's hungry this time that you'll be,  
For there isn't a fault in our coming B.P.

## Business Changes.

MR. JOHN H. MORRIS has opened drug-stores at Brank-some.

DR. H. A. HADDEN, Wexford, has opened a branch medical hall at Quay Street, New Ross.

MESSRS. GILBERT & HALL, homœopathic chemists, of Bournemouth, have opened a branch pharmacy at Bank Buildings, Boscombe.

MM. ORIGET & DESTREICHER, have removed their office and warehouse from 10 Rue du Conservatoire, Paris, to 1 Rue Ambroise Thomas, Paris.

MR. BECK, of Huntingdon, has just enlarged his premises, refitting them in elegant modern style. The work was executed by Messrs. S. Maw, Son & Thompson.

MR. PHILLIPS'S chemist's shop, in Queen Square, Wolverhampton, is wanted by an adjoining music-hall. Magisterial sanction to the music-hall's scheme of enlargement has been obtained.

MESSRS. B. F. MOISE (LIMITED) take over the entire undertaking of Moise & Marshall (Limited), and will shortly occupy their new premises at 51 Milton Street. They are temporarily at 9 Butler Street, Milton Street, E.C.

MR. D. T. EVANS, chemist and druggist, of High Street and Cliff Terrace, Margate, has opened a branch establishment at Northdown Road, Cliftonville. The entire work of fitting and furnishing was entrusted to Messrs. S. Maw, Son & Thompson, who have carried out the work in an artistic and finished manner.

## Deaths.

BLACKSHAW.—On May 8, Mr. Thomas Blackshaw, pharmaceutical chemist, late of Burslem. Aged 77.

HARRIS.—Mr. Sidney J. Harris, D.Sc., Whitworth Scholar, Victoria University, F.C.S., headmaster of the School of Science and Technology at the Leeds Institute of Science, Art, and Literature, died on Thursday, May 27. He caught cold whilst cycling, and, although in the Institute on the Saturday before his death, pneumonia of a severe type set in, and he succumbed after six days' illness. Mr. Harris was a painstaking teacher in the evening classes, where many students of pharmacy have attended, and was much esteemed.

HARRISON.—Late on Monday night Mr. John Paul Harrison, chemist, residing in Ashley Road, Peel Causeway, near Bowden, was at home reading a newspaper. He appeared to be in his usual health, and was only 39 years of age. After the other members of the household had retired for the night Mr. Harrison was still reading, and was last seen alive shortly after midnight by his brother. On Tuesday morning he was found dead.

HOLLAND.—On May 2, Mr. Walter Holland, chemist and Druggist, Nottingham. Aged 58.

KEYWORTH.—On May 27, Mr. George Alexander Keyworth, F.C.S., at Hastings, at the age of 67 years. Mr. Keyworth, who was a native of Wantage, went to Hastings in 1851 from Southampton to open the business of a chemist and druggist in Wellington Place, which he conducted up to the day of his death. Mr. Keyworth enjoyed the confidence and respect of all his fellow-townsmen. His death was subsequent to an apoplectic seizure, from which paralysis followed.

NEWLYN.—On May 18, at the Wellwood Pharmacy, 9 Wellwood Place, Torquay, Martha, wife of Mr. James Newlyn, chemist and druggist, aged 41.

NICHOLLS.—On May 21, Mr. John Nicholls, chemist and druggist, Weymouth. Aged 73.

RAYNOR.—On May 18, Mr. Alfred Raynor, chemist and druggist, Hull. Aged 50.

SAVAGE.—On May 18, Mr. F. G. Savage, chemist and druggist, Nottingham. Aged 36.

WILCOX.—On May 21, Mr. George Wilcox, chemist and druggist, 663 Coventry Road, Birmingham. Aged 77.

## London Drug Statistics.

THE following statistics relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses in the course of the four months from January 1 to May 31, 1897 and 1896, and to the stocks on May 31 of these two years. Their accuracy cannot be guaranteed.

Article	Stocks		Imported		Delivered	
	1897	1896	1897	1896	1897	1896
Aloes.....es, &c.	2,671	4,170	653	1,197	2,023	2,018
".....gourds	1,819	2,222	—	—	137	477
Anise, Star.....es	187	234	100	1	37	38
Arrowroot.....bls	12,646	17,092	7,208	10,011	6,307	6,568
".....bxs & tns	2,129	1,818	161	467	545	708
Balsam (medicinal)						
".....cks, &c.	503	919	206	249	504	693
Borax.....pkgs	10	10	1	—	1	31
Calumba.....bgs	17	441	263	15	257	796
Camphor(crude)pkgs	10,870	14,514	3,365	2,954	4,427	4,713
Cardanoms.....es, &c.	1,045	571	2,010	966	1,409	1,372
Cinchona-bark—						
"S. American.....es	54	58	—	—	2	—
".....bls, &c.	13,575	15,264	1,424	1,309	1,675	3,294
E. I., Ceylon, {	371	296	110	175	47	149
and Java { bl	6,785	10,786	3,456	9,289	4,673	7,674
Total.....	20,785	26,404	4,990	10,773	6,397	11,117
Cocculus incl. ... bgs	43	171	—	147	24	67
Cochineal.....	2,105	1,730	354	997	950	976
Cream of tartar cks	5	5	—	4	—	4
Cubebs.....bgs	327	360	72	32	217	69
Cutch.....tons	1,596	1,975	340	1,127	565	863
Dragons' blood .. es	64	162	67	84	62	101
Galls—						
"Chinese, &c. ... es	515	1,184	21	1,327	589	650
"Turkey, & Persn. bgs	3,106	5,117	2,653	2,264	5,064	2,104
Gambier.....tons	1,018	917	2,226	2,435	2,283	2,257
Gums—						
Acacia.....pkgs	12,120	13,311	10,623	11,578	11,468	9,200
Ammoniac.....	46	53	13	19	6	37
Anini & copal ..	17,505	10,349	17,520	10,679	14,927	9,040
Asafetida ..	510	843	541	736	292	656
Benzoin.....	2,900	1,877	1,390	1,837	1,813	1,468
Damar.....	2,945	3,142	1,818	4,162	2,572	3,109
Galbanum ..	1	2	—	—	—	—
Gamboge.....	231	239	153	224	114	144
Guaiacum ..	76	27	42	37	16	67
Kino.....	34	14	19	3	12	3
Kowrie tons (net)	1,089	937	1,533	958	1,497	1,458
Mastic.....pkgs	14	28	9	21	7	14
Myrrh.....	523	617	122	263	173	201
Olibanum ..	2,398	3,849	2,388	4,706	2,509	2,913
Sandarach ..	989	336	1,170	494	498	420
Tragacanth.....	3,213	4,495	2,703	4,964	3,546	2,448
Indigo : E. I. .pkgs	22,186	17,516	16,818	15,852	6,105	6,597
" Spanish sus	1,582	2,113	1,845	2,730	1,542	1,351
Ipecacuanha, Rio bls	253	500	215	229	409	313
Other kinds pkgs	12	19	106	70	115	95
Jalap.....bls	316	260	148	224	136	216
Lac dye.....chts	2,542	2,743	—	—	163	51
Nitrate of Potash tns	2,122	1,672	2,873	2,744	2,572	1,662
Nitrate of Soda ..	479	1,923	11,474	11,300	11,369	11,351
Nux vomica .. pkgs	568	701	274	238	229	635
Oils—						
Castor.....cks	126	122	478	546	564	505
".....es	432	1,113	107	884	480	856
Cocoa-nut .. tons	431	450	722	722	634	1,014
Olive.....cks &c.	992	1,008	721	1,461	888	816
Palm.....tons	15	21	18	48	18	36
Quinine Sulph. .lbs	84,903	112,404	13,471	8,717	16,522	19,589
Rhubarb.....chts	184	528	157	152	434	547
Safflower.....bls	177	107	63	65	34	37
Sarsaparilla.....bls	268	221	422	385	417	430
Senna.....bls, &c.	1,299	1,039	543	805	2,051	2,363
Shellac—						
Button.....es	7,880	7,850	6,191	6,293	4,230	4,571
Garnet.....es	5,627	5,689	4,213	3,171	2,833	3,365
Orange.....	36,169	23,970	28,411	27,011	17,755	16,729
Total.....pkgs	49,676	37,509	38,815	36,475	24,818	24,665
Sticklac.....es	3,168	3,160	1,277	4,824	1,021	2,159
Turneric—						
"Bengal.....tons	463	646	19	53	83	161
Other kinds..	299	517	19	60	101	180
Total.....	762	1,163	38	113	184	341
Vermilion chts, &c.	7	16	—	2	—	2
Wax—						
(Bees') ..bls & sns	556	663	729	634	583	1,167
".....cks & es	1,333	1,163	1,748	1,227	1,382	1,067
(Japan) ..es, &c.	126	136	144	10	197	344

TEST FOR VANILLIN.—To the solution add a few drops of a 1-per-cent. solution of ferrous sulphate, then bromine-water, drop by drop. Vanillin gives a bluish-green colour, turning yellow after a time.



## Trade Reports.

42 CANNON STREET, E.C., June 3.

**B**USINESS has been extremely quiet, and with the approaching Whitsuntide and Jubilee holidays there is little prospect of improvement during the current month. The heavy-chemical trade is on the whole fairly steady, but there have been few price-alterations. Caustic-soda is firm. Bicarbonate and bleaching-powder are also in good demand. There is a strong inquiry for acetates of lead and lime, and naphthas are somewhat better. Sulphate of copper remains dull. Chlorate of potash is weak, and carbolic acid lower. Prussiate of potash, on the other hand, is very firm. An upward movement in glycerine has begun. Cream of tartar is dearer, and for citric and tartaric acids somewhat higher prices are also asked, while the inquiry is good. Howards' quotations for citrate of iron and ammonia and citrate of potassium have been advanced, and those for certain kinds of nitric acid reduced. Hydrochlorate of cocaine is offering at slightly easier rates by second-hand holders. Refined camphor is somewhat dull. Quinine has a decidedly firm undertone, and on the whole prospects look good. In drugs, the chief feature of the week has been the strong demand for ippecacuanha, resulting in an advance both in Brazilian and Colombian. Gentian-root remains very scarce and dear. Quassia is slightly firmer. Caraway and fenugreek seed a turn dearer. Honey and beeswax are in demand. Menthol fairly steady. Crude camphor barely firm. Cod-liver oil is very difficult to move, and holders are disposed to make concessions. Balsam copaiba slightly easier. At to-day's gum-acacia sales very little was sold. In essential oils slightly easier prices are quoted for bergamot, and there has also been a fair demand for oil of lemon. Citronella oil remains steady. The new crop of French neroli is now being distilled, but the prices have not yet been fixed. For French lavender oil slightly higher prices are asked in certain quarters. West Indian oil of limes is extremely scarce and held for high prices. In opium there is practically no alteration. Turning to drysalteries, spices, &c., we have to report an advance in shellac and a strong movement in Japan wax. Persian galls are firmly held. Quillaia is much dearer. Turmeric remains steady. Cocoa butter sold at a slight advance. No spice-auctions were held this week, but privately there is a good demand for Zanzibar cloves, while black pepper, ordinary kinds of cinnamon, and cinnamon-chips are easier. In the oil-market the chief feature of interest is an advance in turpentine, which is now quoted at 21s. for American on the spot. Linseed oil is quiet, and unaltered. Rape oil from 3*h*. to 6*h*. dearer, both for crude and refined. Cotton-seed oil easier for crude, and steady for refined. Coconut oil slightly lower for Cochin. Palm and olive oil unaltered. Petroleum quiet, and very dull.

The otto-of-rose season has now commenced, but up to the present no trustworthy news has been received of the progress of the distillation. The general outlook last week was described as very favourable, heavy rains in the first half of May having greatly benefited the rose-trees. The crop is not likely to be smaller than that of 1896, and prices have a downward tendency. It is estimated that about 500 kilos. of old otto of rose of various qualities remain in the hands of various parties in Bulgaria and Turkey. The firm of Seraphimoff, of Kazanlik, have sent a circular to the peasants from whom they buy otto of rose, calling attention to the increasing sophistication of the drug, and stating that during the forthcoming season they will not buy otto from any persons who have been found

guilty of adulteration. The circular is described as having produced a "profound impression."

As there appears to be still some doubt whether the drug-auctions due on June 10 will be held, we may say that it has been decided, "in response to the general wish of the wholesale-druggists," to hold the auctions as usual. But the sales which, in the ordinary course of business, would fall on June 24 will be skipped, in order to give an opportunity to the drug-trade at large of recovering from the Jubilee festivities, and to the British wholesale druggists in particular of getting through some of their stock-taking with the least possible disturbance. In any case, however, next week's auctions will not be large.

The exports of cinchona-bark from Java during the month of May have again been moderate. A cable received at Amsterdam on June 1 gives them at 600,000 half-kilos. The following figures show the totals for the past five years up to the end of May:—

	1893	1894	1895	1896	1897
Java	Amst.	Amst.	Amst.	Amst.	Amst.
Cinchona	lbs.	lbs.	lbs.	lbs.	lbs.
Shipments.	714,000	900,000	402,000	763,000	600,000
Month of May	3,244,000	3,288,000	2,879,000	3,260,000	2,584,000
Jan. 1-May 31					

Our Hamburg correspondent wires on Thursday afternoon that *Cassia* oil is lower. Refined camphor is unaltered at 280m. per kilo. for bells. Turpentine firm at 45½m. per 100 kilos.

Our Bergen correspondent wires on Thursday afternoon that the Finnmarken fishing is making but slow progress. The total catch of fish for the whole of Norway up to the present has been 53,126,000, against 46,042,000 in the corresponding period of 1896, the output of steam-refined oil being 27,083 barrels, against 19,610 barrels last year. Finest new season's non-congealing oil is held for 67s. per barrel, f.o.b. Market quiet.

Our New York correspondent, wiring on Thursday afternoon, states that many of the medicinal barks and roots show a declining tendency. Wild-cherry bark, for instance, offers, according to holder, at from 3½c. to 5c. per lb., Golden-seal root at from 25c. to 26c. per lb., and fair Vera Cruz Jalap at 8½c. to 9c. per lb. Mandrake-root offers at 4½c. to 5c. per lb. Medicinal balsams show a firmer tendency all round. The whole supply of cheap-priced Honduras sarsaparilla has been sold. For fair Mexican root, in second hands, from 5¼d. to 5½d. per lb. is required.

ACID (CARBOLIC) is decidedly lower. Crystals, 39-40° C. may be had for prompt delivery at 7¾d. per lb.; 34-35° C. at 7¼d. per lb.; but in both cases the quotations might, perhaps, be shaded in the face of actual orders. Crude carbolic, 60 per cent., offers at 2s. to 2s. 1*h*. per gallon. The reason for this weakness at the height of the season appears to be chiefly that a large business was done for shipment to the United States in March, when it was expected that a big duty would be placed on the article. Now, however, it is likely, after all, that it will be admitted free, and the demand from that quarter has fallen off altogether.

ACID (CITRIC).—Very firmly held, at 1s. 1*h*. to 1s. 1½d. for B.P. quality according to holder. The price for Howards' brand has been advanced 1*h*. per lb. to 1s. 2*h*. for B.P. crystals or commercial powder. There seems to be very little in second hand, and an advance is generally considered probable. Concentrated juice is quoted at 12*h*. to 12*h*. 5s. per pipe, f.o.b.

**ACID (NITRIC).**—Pure sp.gr. 1.42 has been reduced in price to 30s.; ditto, distilled from silver, to 40s. per cwt.

**ACID (TARTARIC).**—Very firm and rather dearer. It is said that 13½*d.* has been paid on the spot for foreign acid, and this seems, at any rate, to be the current quotation. English B.P. is quoted at 13½*d.* per lb. The demand is said to have been very strong recently.

**BALSAMS (MEDICINAL).**—There has been an arrival of 27 packages Peru balsam per *Para*. Some small arrivals of *Maranham copaiba* have just taken place. *Balsam Peru* is fairly firm; 8s. 3*d.* per lb. would buy good quality of direct import on the spot. *Copaiba* tending slightly easier, at 2s. to 2s. 1*d.* per lb. for good genuine *Maranham* as imported.

**BELLADONNA ROOT** is still quoted at 40s. per cwt., c.i.f. terms, with a steady market.

**BUCHU.**—Fair round green leaves are very firmly held at 3½*d.* An arrival of 20 bales however, has just taken place.

**CAMPHOR (CRUDE).**—A fairly steady market. The price is nominally 87s. 6*d.* per cwt. c.i.f., for *Formosa*, and 95s. to 96s., c.i.f. (according to holder), for *Japan* camphor. The only business reported is a sale of 200 piculs *Japan* at 95s. per cwt., c.i.f., for July-September steamer shipment. It is said that there is at present in the Chinese ports a very heavy unsold stock of *Formosa* camphor, amounting to about 8,000 cases.

**CAMPHOR (REFINED).**—Nominally unchanged, but with a decidedly easier tendency. All the makers, however, report that they are full of orders.

**CITRATE OF IRON AND AMMONIA, AND CITRATE OF POTASSIUM (B.P.).**—The prices of Howards' brands have been advanced to 1s. 2*d.* per lb. for either article.

**CIVET.**—Quiet, at 25s. per oz. for fair quality.

**COCAINE.**—The crude article is rather firmer, but there is no change in the price of *Hydrochlorate*. Several of the Continental makers appear to be full of orders. The manufacturers have made no alteration, but it is said that one of the dealers who sold in second-hand at 9s. 6*d.* last week would be willing to accept 9s. 3*d.*, or, possibly, 9s. per oz. for *Hydrochlorate*.

**COCOA-BUTTER.**—At the London auctions, on Tuesday, 250 2-cwt. cases of *Cadbury's* cocoa-butter sold at 11½*d.* to 11¾*d.* per lb. for A quality; 2 cases *Dutch* realised 10*d.* per lb. This shows an advance of ½*d.* per lb. on the preceding auctions. At the Amsterdam auctions on Tuesday, 40 tons of *Van Houten's* brand sold at an average of 50.56c. per ½ kilo. Twenty tons of other brands of *Dutch* cocoa were bought in, and 1 ton of foreign (*Mignon*) brand realised from 50.25c. to 50.50c. per ½ kilo. The tone is extremely dull.

**CREAM OF TARTAR.**—Quite firm, with a slightly higher tendency for *French* crystals, which are now quoted at 79s. to 80s. per cwt. on the spot for best quality. For shipment from Bordeaux, 74s., f.o.b., is asked; but sales have been made at 1s. below that figure. Powder is quoted on the spot at 81s. to 82s. per cwt.

**DAMIANA-LEAVES** are steady, at 5*d.* per lb. on the spot. There has been an arrival of 12 sacks this week from New Orleans.

**GALLS.**—*Persian* are firmly held, but no business has been done pending the offering upon the market of the recent arrivals, which are now being landed. Blue *Persian* galls are quoted at 50s. to 52s. 6*d.*; green, which are very scarce, 42s. 6*d.* to 46s.; and white at from 40s. to 43s. 6*d.* per cwt. Blue *Smyrna* galls are quiet, at 42s. 6*d.* to 44s. on the spot, and 41s., c.i.f., for arrival. Green and white are inquired for, but out of stock.

**GENTIAN-ROOT** is extremely scarce on the spot; from 32s. to 32s. 6*d.* per cwt. is asked for good *French* quality for immediate delivery, and it is reported that both these prices have already been paid. For prompt shipment from Marseilles 25s. per cwt. is asked.

**GLYCERIN.**—The improvement which we described in our last issue as impending has begun actually to show itself. It is said that large contracts for crude glycerin have been made for delivery up to the end of next year, and

the activity in the crude market is beginning to react on the refined article. It might still be possible to buy sp. gr. 1.260 at 56s. or 55s., but most of the manufacturers ask from 57s. up to 60s. per cwt.

**GUM ACACIA.**—It is said that several sales of *Soudan* sorts have lately been made at very low prices, but no particulars of the alleged business are forthcoming. Nominally the quotations run from 55s. to 75s. per cwt., according to quality. *Persian* gum remains extremely firm, with a small stock, and sales of good bold red picked have been made at 19s. per cwt.; for fine pale picked 23s. to 24s. is asked. At to-day's auctions there was a somewhat improved demand at lower rates. Fine *Ghatti* was 5s. lower; *Cannepore* and *Aden* gums also sold at 5s. reduction. The following prices were paid:—*Aden* siftings, 27s. 6*d.*; fair unsifted, 39s. 6*d.* per cwt. *Madras* dust, 10s.; low black, 14s. per cwt. *Cannepore*, good bright, 32s. to 33s. per cwt. *Ghatti*, fine bright, 38s. 6*d.* to 39s.; good pale, 30s. to 33s.; ordinary to medium, 20s. to 22s. per cwt. *Australian*, good bright, but insoluble, 15s. to 17s.; ordinary red, 15s. per cwt.

**HONEY** remains firm. *Chilian*, fair yellow candied, has been sold privately at 30s., and for fine candied *Californian* from 40s. to 41s. is asked.

**INSECT-FLOWERS.**—The market in Trieste continues to advance, and the prices asked from that port are much above what the trade here feel inclined to pay. A fair hand-to-mouth business has, however, been done lately at very firm rates. For fine closed flowers as much as 170s., to 175s. spot is asked, while open flowers offer at 90s. to 95s. spot.

**IPECACUANHA.**—Since our last report there have been two arrivals of Brazilian root from Monte Video, totalling 34 packages. A fair amount of business has been done, both by the home and export trade in *Brazilian*, at an advance of 2*d.* to 3*d.* per lb. on the last auction rates, from 6s. 6*d.* to 6s. 8*d.* having been paid for fair sound, partly plump root. To-day we hear of a sale at 6s. 9*d.* per lb. for similar quality, although in second-hand it might still be possible to buy at 6s. 8*d.* *Carthagena* is also about 3*d.* dearer, 4s. 11*d.* and 5s. having been paid for fair plump, slightly mouldy. It is generally expected that the next auctions will show a further advance in price, but it should not be forgotten that the present is the season when the bulk of the new-crop must be near at hand.

**JALAP.**—We have to report another arrival of 40 bags from Hamburg. The market is quiet.

**MENTHOL.**—Very dull of sale; from 5s. 10*d.* to 6s. per lb. is asked on the spot, but some might probably be had at 5s. 9*d.* per lb. For forward delivery the quotations are merely nominal.

**MUSK.**—Firmly held, but without much business. For good blue, thin skin, first pile *Tonquin* pods the quotation runs from 85s. to 90s. per oz., according to holder; but it is doubtful whether 90s. could be obtained in the market. There is one importer's agent who offers pile I. musk at 77s. 6*d.* This, however, is not musk sorted in the London warehouses.

**NUX VOMICA** is still arriving in fair quantities. During the past week 240 bags have been received from Cochin, and 64 from Madras.

**OIL (CASTOR).**—*East Indian* oil is firmly held at 4½*d.* for firsts and 3¾*d.* per lb. for seconds quality Calcutta. *French* and *Belgian* oils are firmly held at 27s. 6*d.* to 28s. for first pressings on the spot, 26s. 6*d.* to 27s. for second-hand pressings, and from 25s. to 25s. 6*d.*, f.o.b., for shipment during the second half of the year.

**OIL (COD-LIVER)** is rather easier. On the spot best non-congealing *Norwegian* may be had, we understand, at 70s. per barrel, although the nominal asking price is still 72s., while for prompt shipment, from 70s. to 69s. per barrel, c.i.f. terms, is quoted from Bergen and Aalesund. For fine *Newfoundland* oil 3s. per gallon is asked, but there does not seem to be any chance of selling at that figure on the market. Good old *Norwegian* (Aalesund) oil offers at 62s. 6*d.* per barrel, c.i.f. terms.

**OILS (ESSENTIAL).**—*Citronella* oil is steady at 1s. 2*d.* per lb. on the spot. About 15 tons in drums have been sold at 11¾*d.* to 11½*d.* per lb., c.i.f. terms, for May-August shipment.



*American oil of peppermint* is dull of sale at 6s. 6d. per lb. for H.G.H. *Star-anise oil* is said to have changed hands lately in small quantities at 6s. 9d. per lb. on the spot. For shipment, 25 cases have been sold recently at 6s. 3d. per lb., c.i.f., June-July shipment to London. This business was done by a firm who have not sold at such low figures before, their previous quotations, in common with those of most other China houses, having been 6s. 6d. to 6s. 5½d. per lb., c.i.f. One China agent, however, has for some time been selling at low rates, and is said to have disposed altogether of between 300 and 350 cases for May-June and July-August shipment at 6s. 3d. per lb., c.i.f. terms. The time of shipment is considered a peculiar feature in the contracts, inasmuch as it is just before the new crop is due, and, as it is generally said that there is practically nothing of the old crop left, some wonder is expressed as to where the supplies will come from. With regard to the new crop, which will come forward in October, it is said to be fully 800 piculs below the average. The general opinion is that during the summer months the position of the article will be fluctuating, with a weak tendency, and that about the time of the arrival of the new crop there may be a strong upward movement. *Cassia oil*: From 5s. to 6s. 6d. per lb. are the quotations on the spot, according to percentage of cinnamic aldehyde. *Japanese peppermint oil* is quoted at 2s. 9d. to 3s. per lb. on the spot. The English crops of *Lavender* and *Peppermint* promise exceedingly well, but French lavender oil is quoted higher in certain quarters. The distillation of *Neroli* oil is now in progress in southern France, but no prices have yet been fixed. The prospects of the crop are fairly good. The demand for *Oil of lemon* is extremely brisk at steady prices, and for *Oil of Bergamot* higher rates are quoted, from 7s. 6d. to 8s. 6d. per lb. being the spot price for good to fine quality. But it must be borne in mind that large quantities of Italian oils were sent to the United States this spring in anticipation of Customs duties being placed upon these articles, and if, as seems likely, these goods will after all remain on the free list some of the stuff may be shipped back here for re-sale.

**OPIUM.**—*Turkish* opium is steady, but quiet. Fine *Persian* continues to sell at full prices—viz., 10s. 9d. to 11s. per lb.; for common to medium the quotations run from 8s. 3d. to 10s. 6d. per lb.

**PILOCARPINE.**—*German* brands, both *Nitrate* and *Hydrochlorate*, offer at from 1s. 3d. to 1s. 5d. per grain, according to quantity. *French* makes offer at 1s. 4d. for *Nitrate*, and 1s. 5½d. for *Hydrochlorate*.

**POTASH SALTS.**—Bengal *Saltpetre* steady, but quiet, at 13s. 3d. to 13s. 6d. per cwt. on the spot, and 13s. 3d. per cwt. for arrival. *Cyanide* 98 per cent., 9½d. to 10d. for export. *Chlorate* dull at 3½d. per lb.

**QUASSIA-WOOD** is firmer, a change which is not unusual at this time of the year, owing to the demand for the article as an insecticide for use in the hop-fields, &c. Business has been done in fairly dry logs at 90s. per ton.

**QUICKSILVER.**—Very firmly held at 7l. 7s. 6d. from the importers, and 7l. 7s. per bottle from second-hand holders.

**QUININE** preserves a very firm undertone, and for prompt delivery 9d. per oz. would have to be paid for second-hand *Germau* brands in bulk. Besides the B. & S. agents, the Auerbach representative is now also offering bulk quinine for July-August delivery at 8½d. per oz. Both agents, however, are exceedingly careful not to sell to speculators, and even in the case of their regular wholesale druggist customers they refuse to book orders unless for what they consider to be the immediate *bona-fide* requirements of the buyers. In several instances orders for from 2,000 to 5,000 oz. have only been partially accepted. Howards & Sons quote 10d. per oz. for 100-oz. tins; but they, too, practically refuse to accept any but small orders. *Pelletier's* quinine is still quoted at 1s. 2d. per oz. in vials by the manufacturers. *Whiffen's* price is 9½d. per oz. We understand that a parcel of new *Auerbach* quinine is offering in second-hand on the spot at 8½d. per lb., and that several thousand ounces have been sold at 9d. per oz. for spot. This afternoon the B. & S. agents again state that they have "no price."

**RHUBARB.**—Steady. *Canton*, round and flat, mixed sizes, offers for shipment at 1s. 2d. per lb., c.i.f.

**SEEDS (VARIOUS).**—*Anise* is quiet, with sales of good *Cyprus* seed at 14s. 6d. per cwt. on the spot. A small business in unsifted *Russian* has been done at 15s. per cwt. on the spot; other varieties are quiet. *Caraway-seed* is rather dearer, 19s. 6d. per cwt. being asked for fine *Dutch* on the spot, or from 18s. to 18s. 6d. per cwt., f.o.b. A fair business is being done in *Cumin* seed at from 30s. to 32s. for good to fine; and 27s. for common *Maltese*; fair *Mogador* is quoted at 23s. per cwt. *Coriander-seed* very slow of sale, but it is doubtful if *Mogador* could still be obtained at the low figure at which it was sold at the auction recently; 7s. 6d. per cwt. is now asked for fair clean quality. *Canary-seed* easier all round; good *Turkish* offers on the spot at 26s. per quarter, but new-crop seed, September-October shipment, at 25s. per cwt., c.i.f. terms. *Spanish canary* seed is scarce, and held at 45s. per quarter, or at 36s. to 40s. for ordinary to good quality. *Morocco* seed is also scarce, 36s. per quarter being asked for fine, and from 30s. to 32s. for good. *Barbary fenugreek seed* is extremely scarce. Some little time ago about 15 tons *Mogador* sold at 9s. 6d. per cwt. on the spot, but nothing is now obtainable at anything like that price, 11s. being the general quotation. In *Egyptian* seed some business is reported for arrival, but no transactions are mentioned on the spot.

**SENNA.**—The supply of Alexandrian senna is accumulating, and prices are tending lower. A lot of rather dusty siftings has been sold at the low figure of 2½d. per lb., and for a small quantity of fine pods 8d. per lb. has been paid.

**SHELLAC.**—The market has gained a good deal in firmness during the present week. All the business transacted has been done privately, as no auctions have been held. On the spot there has been a strong demand, and a considerable amount of business has been done in *TN Orange* on the basis of from 56s. to 57s. per cwt. cash. The firmness of holders has checked the operations to some extent, and the market closes firm with higher quotations. For arrival business has not been very large, although higher rates have been paid in all positions. *TN Orange*, March-May shipment, has sold at from 51s. up to 52s. 6d.; May-July, from 50s. up to 53s.; June-August, at 51s.; and October-December, at from 54s. to 55s. per cwt.—all c.i.f. terms. The principal business has been for October-December shipment. In the speculative market a rather large business has been done for August delivery at from 55s. up to 58s. per cwt. for *TN*. It is reported that 58s. 6d. has been paid, and that price is now required. A few hundred cases have changed hands for September delivery at from 58s. to 60s., and for October at 58s. 6d. per cwt. On June 2 the May shipments of shellac from Calcutta were made known. They are given as follows:—

—	To U.K.	To U.S.	To Continent	Total
	Cwt.	Cwt.	Cwt.	Cwt.
1896 ...	9,700	4,500	6,100	20,300
1897 ...	9,300	3,000	1,200	13,500

For *AC Garnet* 63s. is asked on the spot, and 58s., c.i.f. A fair business is reported in *Buttonlac* at the rate of 70s. per cwt. for fine firsts.

**SPICES.**—On account of the Derby Day no public sales have been held this week, and privately most articles are quiet. An exception must be made in the case of *Zanzibar cloves*, which have been active during the past few days, with sales of a couple of thousand bales on the spot at 2¼d. per lb. for fair quality, and about 4,500 bales for delivery, June-August, at from 2¼d. to 2¾d., but chiefly August-October at from 2½d. to 2¾d. per lb. *Black pepper* is lower, with sales of Singapore on the spot at 3¼d., and afterwards at 3½d. per lb. for fair quality. June-August steamer shipment has changed hands at from 3½d. to 3¾d., and July-September ditto at 3½d. to 3¾d. per lb., c.i.f. *White pepper* is also easier, with some large sales of *Singapore*, July-September shipment, at 5½d. per lb., c.i.f.; and *Penang*, June-August shipment, at 4½d. per lb., c.i.f. At the quarterly *Cinnamon* sales on Monday, 1,675 bales of Ceylon bark were offered. The demand was dull, and only about 900 bales sold, at a decline of ½d. to 1d. per lb. on ordinary and



medium grades, compared with the last sales. Fine grades, however, were firm. The following prices were realised:—First, fair to fine superior, 10½d. to 1s. 6d.; seconds, 10d. to 1s. 3d.; thirds, 9½d. to 1s. 3d.; fourths, 7½d. to 1s. per lb. *Cinnamon-chips* sold at a decline of ¼d. per lb. at from 2½d. to 3d. per lb. Quillings and cuttings brought 8d. to 9½d. per lb.

TRAGACANTH remains in excellent demand for all qualities of Persian, and steady prices are paid—from 13½. to 14½. for fine firsts (these are more or less nominal), 11½. 10s. to 12½. 15s. for fair to fine seconds, and 10½. 10s. to 11½. 5s. for thirds. Smyrna tragacanth is neglected, with small sales of thirds at 8½. 15s. per cwt.

TURMERIC firmly held, at 9s. 9d. for good Bengal. Fine Madras finger is scarce, and firmly held at 13s. per cwt.; dull Malabar finger at 13s. 6d. to 14s. per cwt.

WAX (JAPAN) is much dearer. Small sales have been made on the spot up to 44s. per cwt., a rise of fully 5s. on the week, and for shipment 34s., c.i.f., June-August has been paid.

#### The Market in Heavy Chemicals.

The general tone in the heavy chemical market continues firm, and a moderate business is passing. Prices are mostly steady and unchanged, but with a slightly upward tendency in some of the "miscellaneous" products. Reports of trade from the Clyde are encouraging, whilst the Tyne and Lancashire markets are quietly steady. Highest strength *Caustic soda* continues in fair request, and *Bleaching-powder*, although not moving quite so briskly as of late, is in moderate demand, at unchanged figures. There is no actual change to report in quotations for *Sulphate of copper*, but the tendency is somewhat weaker. *Sulphate of ammonia* fairly steady and unchanged. The exports from Leith last week were low, amounting only to 232 tons. *Cream of tartar* is firmer, and shows slight advance; powdered, 81s. to 82s.; crystals, 79s. to 80s. *Acetates* all round, with the exception, perhaps, of the soda salt, are firm, and meet with good inquiry; and *Acetate of lime* is firmly held. In *Acetate of lead* it is reported that makers are unwilling to book sales at the present prices for delivery past end of this month. *Chlorate of potash* continues weak, whilst the *Soda salt* is firm. *Prussiate of potash* firmer. *Green copperas* is rather quieter, and now stands at 38s. to 40s., f.o.b., for best Lancashire. *Benzols* are still quiet, but the tone is somewhat firmer, 90-per-cent. being quoted 1s. 8d., whilst 50-per-cent. remains unchanged at 1s. 11d. *Carbolic acids*, both crude and crystals, are not moving so briskly, and prices are somewhat easier; crude, 75 per cent., 2s. 6d.; 60 per cent., 2s. 1d.; crystals, 34-35, 7½d.; 39-40, 7½d. *Anthracene* a trifle lower. *Aniline oil* and *Salts* weak. *Naphthalen* firm. *Sulphate of alumina* in steady request. *Alum* rather quiet. *Carbonate of barytes* maintains a firm position, and is moving briskly. *Chloride of barium* in steady demand. *Nitrate of lead* quietly steady. *Recovered sulphur* scarce. South Durham *Salt* firm, at 9s., f.o.b. Tees. *Pitch* is dull for prompt, but meets with more inquiry for forward, delivery.

#### The Liverpool Drug-market.

Our Liverpool correspondent, writing on June 2, reports that there has been some business done in *Balsam copaiba* of recent arrival, but the terms have not been allowed to transpire. *Castor oil* has become slightly easier, and good seconds Calcutta are held for 3d. to 3½d. per lb., first pressure French, 3d. per lb.; second pressure is wanting; Madras 3½d. per lb., but the downward movement seems now to be checked, and a turn upward is likely. *Gum acacia*: Soudan sorts have been more generally inquired for and fair sales have been effected at fully late rates. The stock in Liverpool is becoming very small; medium grades sell readily, and at rather advanced prices, 30s. being paid in auction for blocky Brazilian. White powdered *Arsenic* is held for 23½. per ton. Sales of *Kola-nuts* have been made at 2½d. to 4d. per lb., all arrivals meeting with ready buyers. *Canary seed* is flat, 200 bags good Turkish selling at 25s. per qr. *Cream of tartar* is much firmer, at 82s. for first white of full strength. After dropping to 15s. per cwt. for one grade, the market for *African ginger* has improved materially, and sales have been carried through at 18s. with a strong upward tendency. *Turpentine* is improving and sales are reported at 21s. to

21s. 6d. per cwt. *Sulphate of copper* is easier at 16½. 5s. per ton. *Quillaia* is in very good demand, with heavy inquiries from abroad, and sellers only talk of small parcels at the present price of 17½. per ton for good bark. Of *Chilian Honey* there has been a further arrival, but the holders seem disinclined to quote any lower prices. *Beeswax* is very firm, parcels of *Chilian* mixed yellow and grey changing hands at 6½. 17s. 6d. to 7½. per cwt. *Fennugreek* seeds are scarce at late rates.

#### The Hamburg Drug-market.

Our correspondent writes on June 1:—"Business is very quiet here, and very little is doing in the drug-market at present. *Antimony* remains firm, at 40½m. per 100 kilos. *Agar-agar* very little changed, at 270m. per 100 kilos. *Citric acid* steady, at 230m. to 240m. per 100 kilos.; *Tartaric* steady, at 225m. to 240m. *Camphor (refined)* shows a quiet market—spot is steady at 280m., June 275m., July 270m. to 265m., and September-December at 260m. per 100 kilos. *Cassia lignea* remains quiet; new crop of good quality is quoted 72m. per 100 kilos. Some very inferior lots have arrived here lately, and only find a very difficult sale at reduced prices. *Cubebs* are quite neglected. *Ergot of rye* is dull, at 95m. to 90m. per 100 kilos. *Honey* is steady, but quiet; there is a fair demand for good *Chilian*, *Pile II* and *III*, at low prices. *Menthol* keeps quiet, at 13m. per kilo. *Cumin-seed* is very dull, and can be bought at 39m. to 38m. per 100 kilos. *Anise (Russian)* quiet, at 28m. to 27½m. per 100 kilos. *Star-anise* quiet, at 160m. to 165m. per 100 kilos. *Caraway-seed* quiet, at 37m. per 100 kilos. *Cod-liver oil* is steady, but quiet; 1897 non-congealing oil at 68m. to 69m. per barrel. *Newfoundland seal oil* steady, at 45m. per 100 kilos., in casks. *Peppermint oil* is steady; HGH quoted 6½m. to 6½m. per lb.; Japan oil, 5½m. per kilo. *Quinine* is unchanged and steady at 23m. to 25m. per kilo. *Spirit of turpentine* firm, with a fair demand, at 44m. to 44½m. per 100 kilos. *Shellac* dull, and without demand; the present low prices do not tempt buyers. *Spermaceti* dull and lower, at 290m. per 100 kilos. *Wax (Japan)* very little changed; spot quotes 73m.; early delivery, 70m. to 72m. per 100 kilos. *Carnauba wax* (grey), 83m. to 85m.; medium, 115m. per 100 kilos.

#### The Bergen Cod-liver Oil Market.

Our Bergen correspondent writes on May 29, that the result of the Finnmarken fishing still remains extremely unsatisfactory. It is likely under the circumstances that fishing will be continued until after the middle of June, but the proportion of steam-refined oil made this year in Finnmarken is much below the average, as prices are not considered remunerative. Up till May 22 the result was as follows:—

	1897	1896	1895	1894
Millions fish caught	6.1	10.8	3.6	12.0
Hectl. of steam-refined oil	1782	7082	702	3543

The exports from Bergen up to the date of writing amounted to 3,570 barrels, against 2,090 barrels in 1896. Market dull and price unchanged.

#### The Smyrna Opium-market.

Our Smyrna correspondent writes, under date of May 22, that the market remains extremely quiet, the only business transacted being a few cases of *Yerli* at the rate of 8s. 6d. per lb. f.o.b. for shipment to the Continent; and there are several holders who would be glad to take 8s. 3d. per lb. f.o.b. for *Current talequale*, but in the absence of buyers it is likely that within a few days they may come down to 8s. per lb. There are sellers of new crop *Current talequale* for delivery during July and August at 7s. 5d. per lb. f.o.b., but no buyers above 7s. 3d. for small quantities. So far no business has been done. The market is weak, with many sellers and an unmistakable tendency towards lower rates. It is known that the bulk of the old stock is held by rich merchants, and that there is really very little left of it, but nevertheless the market is likely to remain very flat until the new crop begins to arrive. The first samples of new crop appear to have been received in Smyrna, and although it is difficult, owing to the smallness of the type samples, to form an exact idea of the outturn, on the whole the quality looks very good indeed. More rain has fallen in the growing districts and will slightly delay the gathering, but it is sure to increase in yield.



## Correspondence

*In writing letters for publication, correspondents should adopt a concise, but not abbreviated, style. They are requested to write on one side of the paper only. Letters, with or without a nom-de-plume, must be authenticated by the name and address of the writer. Queries should be written on separate pieces of paper, and the regulations printed under the sections to which they apply should be strictly observed.*

### Notice to Correspondents.

#### Manchester Assistants and the Benevolent Fund.

SIR,—In sending you the final list of contributors to the Manchester and District Assistants and Apprentices' donation to the Benevolent Fund—which I trust you will be able to insert in this week's CHEMIST AND DRUGGIST—I am requested by my committee to thank you for the courtesy you have shown and the help you have given us by publishing the results of our humble efforts.

Our main idea in starting this fund was that our example might be followed, and similar lists opened in other large towns; but in this respect our expectations have not been realised. Possibly our action may bear fruit at some future time.

Again thanking you, and trusting that the *C. & D.* may long continue to be a power in the land,

I remain, yours very truly,

69 Market Street, Manchester, J. RIDING.  
June 2.

#### Manchester and District Assistants' and Apprentices' Donation to the Benevolent Fund.

	£	s.	d.		£	s.	d.
Amount previously acknowledged ...	17	2	0	H. Woodruff ...	0	2	0
H. Massingham ...	0	5	0	J. Smith ...	0	2	0
J. D. Macintosh ...	0	3	0	Capsicum ...	0	10	6
J. T. Taylor ...	0	5	0	A. B. C. ...	0	2	6
A. Short ...	0	1	0	J. Pilkington ...	0	5	0
W. Parry ...	0	1	0	W. Uttley ...	0	4	0
G. Radcliffe ...	0	2	6	— Hadfield ...	0	2	6
A. Y. L. ...	0	2	6	Amicus ...	0	7	0
A. Lloyd ...	0	2	6	Total ...	£20	0	0

This list is now closed.

#### The Queen's Chemists in Manchester.

SIR,—Mr. Kemp having put himself up as a rectifier of the information you gave, one would naturally look for a straightforward statement, with no concealment; but when he wilfully suppresses important items of truth, which I was compelled to point out to you, it makes his letter not only very inaccurate but most misleading. This is quite evident to anyone of ordinary intelligence, a quality he evidently thinks your readers do not possess. His challenge, in face of my last, is therefore very ridiculous, unless he wants me to admit that his dates be correct; these, as I cannot dispute, I willingly accept.

Your paragraph was to me as great a surprise as to any of your readers, and although I do not take Mr. Kemp's views about it I cannot help but notice that the terms he applies to it show evidence of a childish trade-jealousy which must be very amusing to all who read it.

My time is so fully occupied that I really have none to spare to indulge Mr. Kemp in his desire for the publicity afforded by a lengthy correspondence, and must close this discussion by thanking the many chemists who have expressed to me personally, or by communication, their approval of the position I took up, and sympathy with me in what, since this correspondence appeared, they consider has been a personal attack. Amongst these are members of Mr. Kemp's own committee.

Faithfully yours,

Manchester, June 2. WALTER GIBBONS.

#### A Bombay Postcard.

SIRS,—Will you favour us with a price-list of your goods at the following address, and also instructions and rules book

for our understanding, and please a line for Bombay mangoes, that at what price will be disposed if we send you, and also favour us with an reply at your early leisure and oblige.

We beg to remain, Sirs, yours faithfully,

(72/37.)

[We could not write better Hindustani. The request is too much for us; but any firm who wishes to get into communication with the writer will get the name on application.—*Ed. C. & D.*]

#### The Laboratory Fire.

If you've ever put a cracker in the keyhole of a door,  
If you've mixed sulphuric (conc.) with turpentine,  
If you've ever spilt a pint or two of spirit in the fire,  
You will understand this little song of mine.  
The fellows in the laboratory will gossip till they die,  
Of smoking cigarettes they never tire,  
But of all the light frivolities with which they waste their time  
There's nothing they enjoy above a fire.

To estimate the alkaloids in red cinchona bark,  
Take twenty grains of bark and six of lime,  
And moisten with some water in a dish or in a mortar  
And let the mixture stand a little time.  
Then fit an air condenser to an Erlenmeyer flask,  
And introduce the powder, free from lumps,  
And boil for half an hour with benz. amylc alcohol,  
Taking measures to avoid excessive bumps.

Now, if you have been careless and have wasted half your stuff,  
And cannot face a shameful two per cent.,  
You can save your reputation, by a timely conflagration,  
So set the lot on fire—by accident;  
But twenty men are more than keen to try the little fire machine,  
And Britons true their duty scorn to shirk,  
And you may thank your lucky "taters," if you save your books  
and papers,  
When they once persuade the bally thing to work.

(126/47.)

#### Costume for Lady-pharmacists.



This is a sketch sent by "a gentleman-pharmacist" in response to a recent inquiry.

#### LEGAL QUERIES.

*We do not give legal opinions by post. Information regarding most legal matters in connection with pharmacy will be found in THE CHEMISTS' AND DRUGGISTS' DIARY and in "Pharmacy and Poison Laws of the United Kingdom," and Alpe's "Handy-book of Medicine-stamp Duty."*

135/36. *Molar.*—Your advertisement certainly does not infringe the Dentists Act, and we should hardly think even the Dental Association will so regard it.

134/63. *Curious*.—You do not need the assistance of a solicitor to get a copy of a will. A fee of 1s., or in most cases 2s., has to be paid at Somerset House to read wills, and a copy will be supplied at a fixed *pro rata* payment, with a minimum of 2s. 6d.

135/8. *Tarax*.—It is only scheduled poisons the sale of which is confined to registered chemists. Spirit of chloroform comes within the schedule, but none of the other drugs you name, though we do not know what you mentally include under the term "&c." You should get our "Pharmacy and Poison Laws" (2s. 6d.), as your knowledge of the Pharmacy Act is evidently dangerously scanty.

135/33. *Duplex*.—A man carrying on a *bonâ-fide* wholesale business is not interfered with for calling himself "wholesale druggist," even though he is not registered, unless under cover of that designation he does some retail trade in poisons.

136/32. *Sulphur*.—Before buying the patent referred to you should spend an evening or two at the Patent Office library, and look up all similar patents. Then if you are doubtful (or perhaps in the first place) you should consult a patent expert (see advertisements). Even then you must remember that the question of validity or infringement of a patent is one of the most uncertain things in law.

136/37. *Doubtful*.—The length of notice you must give or receive does not at all depend on the intervals at which the salary has been paid. It is entirely a question of the custom of the trade. In most cases it has been held that the custom among chemists and their ordinary assistants is a month.

134/5. *Platypus*.—If a man who has been engaged as manager merely stays for a day, and then leave, because he does not like the look of the place, he cannot be prosecuted, but he is liable for breach of contract, and can be sued for damages. The measure of damages would depend upon the amount of inconvenience and expense to which the master had been put owing to the manager's default, and to a considerable extent upon the terms of the hiring. Of course, if there had been misrepresentation on the part of the master going to the root of the contract, the manager might be justified in repudiating the bargain and leaving at once.

## MISCELLANEOUS INQUIRIES.

We reply to our subscribers and their employés only; queries must, therefore, be authenticated by the name and address of the subscriber. When more than one query is sent write each on a separate piece of paper. When a sample accompanies a query full particulars regarding the origin and use of the sample must be given, and the name of the querist should be placed on the sample. Queries are not replied to by post.

108/62. *Northport*.—(1) *Golden Ointment*.—See reply in a recent issue. (2) *Quinæ Bisulphas*.—This name strictly applies to the normal or so-called acid sulphate, which is official in the U.S.P., and is used in America more than in this country; but British medical practitioners are not as a rule familiar with that salt, and when they write "quin. bisulph." they are following the practice of their predecessors in writing "quin. disulph." for quin. sulphas, B.P. Considering that the prescription which you send contains free alkali, we should not hesitate in dispensing the basic sulphate in suspension. (3) It is necessary to label mixtures containing spirit of chloroform "Poison," unless they are dispensed. (4) In making *Guaiacol Pills* use  $\frac{1}{2}$  gr. of curd soap to each grain of the guaiacol, and mass with liquorice or althæa powder.

127/39. *Rhum*.—*Bay Rum*.—See *C. & D.*, July 25, 1896, page 147.

112/47. *J. H. S.*—*Ol. Juglandi*, or walnut oil, used to be called nut oil, but that is a name now exclusively applied to *ol. arachis*. It is a nice bland oil, resembling almond oil in appearance and taste, but it is a drying-oil, and is used

chiefly by artists. We have not met with the oil in drug-circles, but it is a commercial article, and some oil-merchant should be able to supply you. Meanwhile, we make inquiry on your behalf.

125/60 (*M. P. S. I.*), 128/11 (*Ignorantia*), and 125/3 (*Judicium Commune*).—*Oleatum Zinci*.—As there are no fresh arguments in what you say about the matter, there seems no necessity for printing your letters.

112/64. *Joint Subscriber*.—*Aqua Coloniensis*.—Water of Cologne, Eau de Cologne.

130/14. *Canine*.—*Dog-nuisance*.—Have the corner thoroughly washed and sprinkle it with a mixture of equal parts of spirit of tar and tincture of capsicum. Put a trough of water near the place, and if, after a few days' trial, the dogs continue to patronise your establishment as givers rather than receivers, give them a stimulant in the shape of a few small pieces of ammon. carb. put down every morning.

122/51. *L. K. (Melbourne)*.—*Liquid Cochineal*.—We are unable to trace the formula which you write about. The one given on page 747 of the current volume (May 8) is excellent. See also the note on page 562 (April 3). The reference to the use of common salt in liquid cochineal was, as far as we can recollect, a suggestion by a correspondent who had used it with success. We have no practical experience of it, but as salt is one of the best preservatives it is likely to be good for cochineal. We should think 2 oz. to the pint would suffice, allowing it to replace as much glycerine.

125/9. *B.*—*Charges for Photographic Preparations*.—This matter was dealt with in our 1896 *DIARY*, page 391, to which please refer. See also the Photographic Notes of the past month.

125/25. *Hyd. Perch.*—(1) Ammonia does not alter the constitution of *Antipyrin*, and, so far as the physiological action of antipyrin is concerned, ammonia tends to relieve the heart-disturbance created by it. The poisoning symptoms which you have noticed were due to antipyrin alone. (2) Tartaric acid is sometimes used to promote the *Solution of Hydrarg. Perchlor. in Water*. It does not diminish the bactericidal power of the mercurial; if anything, it will increase it. (3) *Lin. Album*.—There are several formulæ in the *DIARY* for 1897. If you have not a copy you should get one, as the "Dispenser's Formulary" in it is well worth the half-crown that the *DIARY* costs (carriage free), there being nearly 800 formulæ in it.

127/53. *Subscriber*.—(1) *Parrot's Feathers Coming Out*.—Give the bird a little iron in its drinking-water, feed it well, especially with green food, and let it have plenty of sunlight. (2) *Sulphur Hair-restorer*.—See *C. & D.*, August 29, 1896, page 361. (3) *Oil-stains on a Tiled Floor*.—It is practically impossible to remove these. You may improve the floor a bit by putting a layer of fullers' earth over the spot, then a piece of brown paper, and passing a hot iron over it for five minutes. After that wash with a strong solution of soda containing some methylated spirit.

128/69. *Verbum Sap.*—*Chelidonium Majus* has recently been recommended for the cure of cancer. See notes on pages 71, 136, 219, and 252 of the current volume; also letter in last issue.

128/51. *Electricity*.—(1) *Dry Battery*.—See page 711 of the current volume. (2) Bicycles are not pharmacy, and as we decline advertisements for such goods we may fairly decline to express opinions about them.

128/57. *Tame*.—*Dental Modelling-composition* :—

	Oz.
Stearine ... ..	8
Gum damar ... ..	12
French chalk ... ..	22

Powder the damar, and melt it with the stearine, then stir in the French chalk, previously tinted with carmine.

A mixture of hard paraffin 7 parts and Japan wax 1 part, perfumed with rose and coloured with alkanet, is also used.



128/9. *E. M. F.*—Electrical Removal of Superfluous Hairs.—The current is applied by means of two needles inserted into the hair-root.

126/34. *Sponges.*—*Spt. Æther. Nit.*—Please refer to the British Pharmacopœia or Squire. Three-fourths of the rectified spirit used may be—in fact, should be—placed in the receiver of the distillate.

124/21. *Scrub.*—The best liquid Application for Drying Cows' Udders is lin. belladonnæ, rubbed in in the usual way for two or three days. The animal should at the same time get a purging drench.

128/65. *Emulsio.*—*Graph-composition.*—See *C. & D.*, May 30, 1896, page 779. The ink is a solution of 1 part of aniline violet in 2 of spirit and 6 of water.

130/20. *Vera.*—Either Stockholm or gas tar will do; the former preferably.

130/3. *T. H. H. F.*—Testing-cabinet.—There is no cabinet made such as you describe, but if you write to such a firm as Messrs. James Woolley, Sons & Co. (Limited), Manchester, telling them your requirements, they will make one for you. They can also serve you in the other matter.

131/14. *G. A. M.*—Caspari's "Pharmacy" is better than the other one which you mention. We do not think that you can get it in London, but Remington's "Pharmacy," which may suit you just as well, is published by Messrs. Burroughs, Wellcome & Co.

131/65. *Alpha.*—Essence of Pennyroyal is made by dissolving 1 oz. of the oil in 4 oz. of rectified spirit.

131/74. *Red Drench.*—The result of Bleasdale's competition was announced in our correspondence columns some weeks since. We had nothing to do with it, and questions about it should be addressed to the firm, not to us.

131/55. *Bath.*—The method of giving Electric Vapour-baths is too intricate a matter for description without illustrations and much detail. We may, however, state that the patient lies in a room the floor and ceiling of which are connected with the terminals of an electric generator, and, the high-potential current being turned on, the patient lies in an electric atmosphere. There are various modifications of the method, but the principle is the same.

130/49. *Mercurius.*—It is stated that ivory becomes opaque when it is carefully heated, and probably this is the German process, but we have been unable to trace further definite information upon the matter.

132/34. *Pyro.*—(1) A registered chemist and druggist may call himself "veterinary chemist." (2) Moore's Ointment.—A mixture of dripping and ung. resinæ closely resembles this. (3) Put a little musk along with your violet-powder perfume and some pulv. iridis. The rest of your queries will be attended to in a future issue.

277/5. *Drew.*—The premium for indoor apprentices varies according to the business they are trained in; 50% for four years is the average.

133/36. *S. C. M.*—You will find what you want in our DIARY for the present year.

133/31. *Water.*—We are not plumbers, but we know that water rises in a pump to the height of 33 feet or a trifle more—i.e., in a vertical line. Horizontal pipe is not counted as vertical, so that what you propose to do should be accomplished so far as physical laws are concerned. We question, however, if you will be able to prevent the water freezing in the pipe.

129/39. *Notts.*—The British Pharmaceutical Conference will meet in Glasgow on August 10, a reception being held in the City Hall the evening previous.

129/68. *Aix.*—Your Cough-lozenge is made with the usual bath-paste, with a little ipecacuanha, opium, and tolu.

113/1. *Syrupus.*—*Spermatorrhœa-syrup.*—A mixture of 1 part of syrup. hypophos. co., B.P.C., and 5 parts of glycerine will give you a similar preparation. If you ever send a sample again, remember to label it, and state how it is used.

121/36. *Polish.*—(1) *Linen-glaze.*—This is a mixture of equal parts of powdered cocoanut-oil soap and French chalk. Directions for use:—First starch the linen in the ordinary way; then make a creamy paste by adding water to the powder, and thoroughly smear the paste over the linen with a sponge or flannel, and iron immediately. (2) The Rat-paste is rice-cake saturated with phosphorised fat.

115/62. *Zingib.*—Unfermentable Compound for Giving Body to Beer.—A pale amber-coloured candy, with a faint odour of malt, which reduces Fehling's solution, and gives a reddish-brown colour with iodine. This appears to be an isomaltose preparation. Such compounds are now largely produced. They are not unfermentable, but are difficult of fermentation. They cannot be imitated by any ordinary means, and it is better to get them from the manufacturers who specialise in them, such as Messrs. Boake, Roberts & Co., of Stratford.

95/58. *A. M. J.*—Iron-mould Extractor.—Make pulv. potas. binoxalat. into a stiff paste with mucil. trag., and dry

129/59. *Ph. C.*—Nasal Douche-powder for deafness:—

Pulv. boracis ..	...	...	...	5j.
Sodii bicarbonat. ....	...	...	...	5j.
Pulv. sodii chloridi ..	...	...	...	5ss.

M.

129/70. *Birmingham.*—Preserving-powder.—Your sample is the usual mixture of boric acid and borax. There is no rice-flour in it—a fact which you could easily have determined by heating (it does not char), or treating with water (it is entirely soluble).

129/63. *G. B. T.*—Your sample of temperance-beer stuff was not received in a fit state for analysis. Paste things should be sent to us properly enclosed in bottles. Your sample simply made a mess of a lot of correspondence.

123 51. *Balsam.*—Tolu Balsam has been queer lately, and that probably accounts for your syrup giving the reaction with carbonate of ammonia. See the note in our trade report of May 29.

124/11. *Subscriber.*—Insufficient for analysis. You give inadequate particulars also.

130/23. *T. B.*—Blood-purifier:—

Ferri et ammon. cit. ....	...	...	...	5ij.
Potass. iodid. ....	...	...	...	5ij.
Liq. hydrarg. perchlor. ....	...	...	...	5j.
Glycerini ..	...	...	...	5vj.
Aq. chloroformi ad ..	...	...	...	5viij.

M.

Dose: A tablespoonful thrice daily after food.

The above modification of your formula answers all your queries.

129/57. *J. J. R.*—Phrenology is really not in our line, and we cannot say what are the latest books on the subject. Any good local bookseller ought to be able to satisfy you.

129/55. *Thirsty.*—Lemon-syrup for Seltzogene.—See *C. & D.*, August 22, 1896, page 330.

128/32. *Lenox.*—Please explain what you want. If it is the Madame Rachel stuff we cannot assist you, we fear.

125/10. *E. E. Rowland.*—We cannot trace a Turner's Tincture in old books or new. You may mean Turnbull's tincture of aconite (see DIARY), or tr. turneræ (damiana 1 in 8 of proof spirit).

119/51. *G. & Co.*—Self-polishing Harness-blackening which we have met with is dubbing coloured with nigrosin, and black petroleum residue.

129/33. *J. C. K.*—Red Colouring for Bricks.—Peroxide of iron, 8 lbs.; copperas, 2 lbs.; yellow ochre, 1 lb. Mix thoroughly, and incorporate with  $\frac{1}{2}$  ton of clay.

136/8. *Proprietary*.—The value of the goodwill of a business, wholesale or retail, depends on so many conditions that there can be no fixed rule for estimating it. A small business which requires the constant personal supervision of the owner, and then only yields a bare living, cannot be said to have a goodwill value at all. The chances of opposition, the locality, the nature of the business all enter into consideration. Ten years' profits are often obtained when a business is sold to a company; perhaps two or three years' profits is the more usual rate when a fair one is sold privately.

### INFORMATION WANTED.

*The Editor will be obliged for replies to the following from any who can furnish the information.*

125/5. Would the correspondent who wants cheap bottles please send his name and address?

133/18. "Williams's Magic Lotion": where obtainable?

133/40. Plant for making porous plasters: where obtainable?

132/44. Well's patent continuous-cooling process: who supplies?

132/34. Address of the makers of zoedone.

135/56. Abbot's menthol-plasters: where obtainable?

135/36. Buffon's cockroach-exterminator: where obtainable?

135/48. Who makes tinfoil-paper envelopes for powders?

### Coming Events.

Tuesday, June 8.

Royal Institution, Albemarle Street, W., at 3 P.M. Dr. Ernest H. Starling, on "The Heart and its Work."

Royal Photographic Society, 12 Hanover Square, at 8 P.M. "Photographic Surveys." By C. J. Fowler, Hon. Secretary of the Birmingham Photographic Society.

Friday, June 11.

Royal Institution, Albemarle Street, W., at 9 P.M. Mr. William Crookes, on "Diamonds."

CO-OPERATIVE EXPERIMENT.—Last October a workmen's glassworks, which was to be run on Socialistic principles, was opened at Albi, and started on its career with an eloquent benediction by M. Jaures and other prominent French Socialists. The walls of Albi are now placarded with a notice, issued by a number of the workmen, who state that they have left the factory under stress of starvation, that their wages are many weeks in arrear and their families reduced to beggary, and that the whole of the capital has been spent by the managers. Forty workmen have already gone back to the glassworks of M. Resseguier, in the neighbouring town of Carmaux. This M. Resseguier is the hated capitalist who, by dismissing two of his employes for leaving their work to attend the Socialist Congress at Marseilles, brought about the great Carmaux strike in 1895. It was to find work for 320 Socialists, whom M. Resseguier refused to take back at the end of the strike, that the Socialistic factory at Albi was founded. Although 20,000*l.* was subscribed, and the factory started free from debt, the capital was found too small. It was apparently all swallowed up in the plant, for when an order for 100,000 bottles came the management had to resort to a loan of 5,000*l.* to enable it to execute the order. There was no profit-sharing, and all profits were to be devoted to the Socialist propaganda. The conditions generally were unpopular. The discipline in the workshop was almost military in its severity, and workmen were subject to fines and dismissal for offences which would have been quite venial in an ordinary workshop. So that this experiment can hardly be regarded as a fair test of the working of Socialistic industry as it is generally understood.

### Medical Gleanings.

#### TURPENTINE IN ACNE ROSACEA.

A MAN who was using a turpentine embrocation for his chest found that it did him so much good that he thought he would rub it on his face, which had a big spot of "incurable" acne. He smarted for it at the time, but to his own and his doctor's astonishment the acne disappeared. We extract this information from the *Lancet*, so it is not an old wife's tale.

#### TYPHOID DIAGNOSIS.

WIDAL's test for typhoid fever possesses the power of inhibiting the motion of typhoid bacilli from a pure culture introduced into it within a period of one hour or less, whereas in normal blood similar bacilli retain their power of locomotion for an indefinite length of time. Typhoid blood possesses this property, even after having been dried for a period of four weeks or more, so that a few drops obtained from a person suspected of having the disease may be sent to suitable places for applying the test, thus rendering comparatively easy the early diagnosis of the disease—a most important point, considering the difficulty there sometimes is in discriminating between typhoid and intermittent fever.

#### GLANDULAR FEVER.

DR. DAWSON WILLIAMS communicated an interesting paper to the *Lancet* recently on the glandular fever of childhood, a disorder which no doubt has long existed but which has not been minutely described before. The trouble begins with the premonitory symptoms of a cold—viz., marked headache, sometimes sickness and abdominal pain—and the temperature runs up to about 104° F. The patient soon begins to complain of difficulty in swallowing, and this develops into marked pharyngitis. The patient finds difficulty in breathing through the nose, snoring abominably. In two to four days the feverishness begins to abate and with it the sore throat, but then some swelling of glands in the neck is observed. The disease appears to be contagious. It looks serious while it lasts, which is not long, but the patients are very weak after it, losing much flesh, and being feeble on the legs. These latter symptoms require careful treatment, including liberal feeding and precautions against cold, as exposure may develop the enlargement of the glands with all the subsequent trouble that these give.

#### TWO GOOD PILLS.

FOR a purgative pill that one can depend upon, without fear of disappointment, Dr. D. E. Ruff has never found any-thing equal to the following:—

Podophyllin.	..	..	..	..	..	5j.
Leptandrin.	..	..	..	..	..	5i.
Ext. colocynth. co.	..	..	..	..	..	5j.
Ext. hyoscyami	..	..	..	..	..	5j.
Ol. menth. pip.	..	..	..	..	..	℥vj.

M. Ft. pil. No. 60.

Sig.: One for a laxative, two for a purgative, and three for a drastic effect.

For an all-round anti-neuralgia pill he has never had any equal to the subjoined. It is especially good for facial and stomach neuralgias:—

Strychnine sulph.	..	..	..	..	..	gr. j.
Quinine sulph.	..	..	..	..	..	5j.
Ferri reducti	..	..	..	..	..	gr. xv.
Ext. gentiane	..	..	..	..	..	5ss.

M. Ft. pil. No. 60.

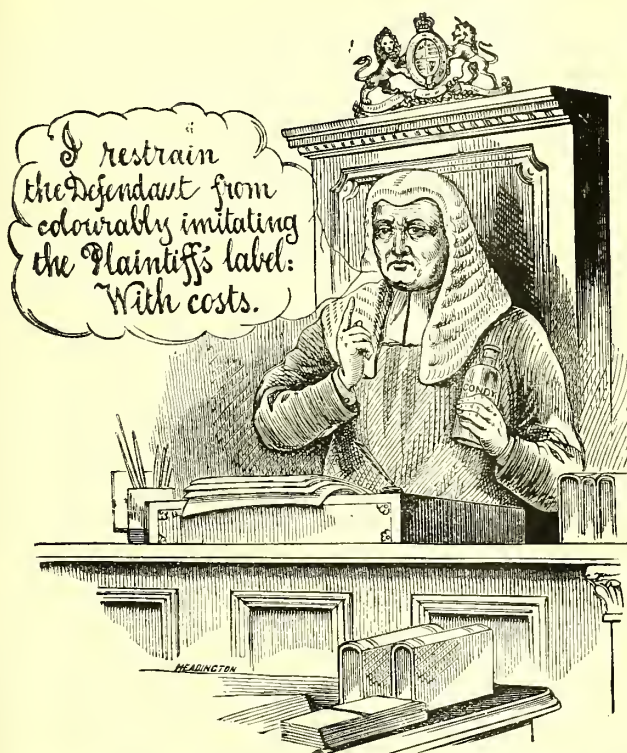
Sig.: One three times a day.

We quote from the *Medical Brief*.

#### SULPHATE OF DUBOISINE IN EPILEPSY.

CIVIDAL AND GIANELLI report that sulphate of duboisine diminishes the number and intensity of epileptic attacks. The drug was administered in doses of  $\frac{1}{160}$  gr. increased to  $\frac{1}{60}$  gr., and the most favourable results were obtained in the cases of epilepsy associated with psychical disorders.—*Lancet*.





# CONDY'S FLUID

COLOURABLE  
IMITATIONS.

## Eleven Injunctions

With damages and costs have been obtained  
against Chemists selling a

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**CONDY & MITCHELL**

**IN EXECUTION OF ORDERS FOR**

**"CONDY'S FLUID"**

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# BISHOP'S

"ORIGINAL"  
GRANULAR  
EFFERVESCENT  
PREPARATIONS.



## CITRATE OF MAGNESIA (BEST).

In bulk, 1/7 per lb.; per cwt., 1/6 per lb. subject.

## CITRATE OF MAGNESIA (SECOND QUALITY).

28-lb. Tins, 30/- nett; 56-lb. Tins, 56/- nett. Tins included. Also in  $\frac{1}{4}$ -lb.,  $\frac{1}{2}$ -lb., and 1-lb. Bottles.

This is an exceptionally reliable article, and much superior to that usually offered to the trade at the price.

## EFFERVESCENT SALINE

EITHER IN POWDER  
OR FINE GRANULES.

28-lb. Tins, 30/-; 56-lb. Tins, 56/- nett. Tins included. Also in 6-oz. and 8-oz. Bottles.

We desire specially to inform the trade that we are now putting up only Two proprietary sizes instead of THREE as hitherto, and that the Retail Prices are in all cases printed on the label.

There are also some alterations in prices, which are shown in our New Price List.

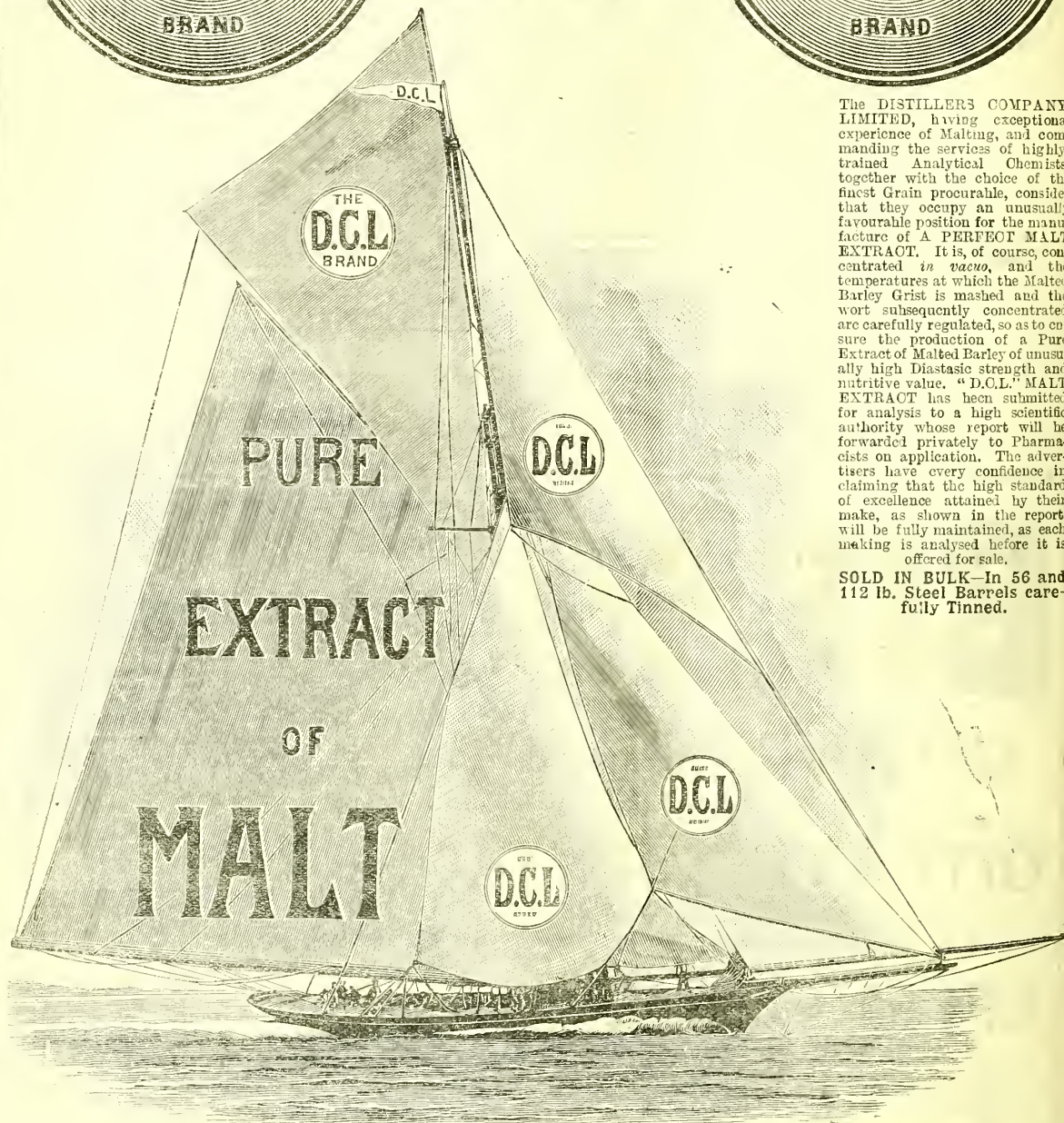
**SAMPLES AND PRICE LISTS FREE ON APPLICATION.**

**ALFRED BISHOP & SONS, LIM., Specks Fields, 48 Spelman St., LONDON, E.**





# A PERFECT MALT EXTRACT



THE DISTILLERS COMPANY, LIMITED, having exceptional experience of Malting, and commanding the services of highly-trained Analytical Chemists, together with the choice of the finest Grain procurable, consider that they occupy an unusually favourable position for the manufacture of A PERFECT MALT EXTRACT. It is, of course, concentrated *in vacuo*, and the temperatures at which the Malted Barley Grist is mashed and the wort subsequently concentrated are carefully regulated, so as to ensure the production of a Pure Extract of Malted Barley of unusually high Diastasic strength and nutritive value. "D.C.L." MALT EXTRACT has been submitted for analysis to a high scientific authority whose report will be forwarded privately to Pharmacists on application. The advertisers have every confidence in claiming that the high standard of excellence attained by their make, as shown in the report, will be fully maintained, as each making is analysed before it is offered for sale.

SOLD IN BULK—In 56 and 112 lb. Steel Barrels carefully Tinned.

**SAILING AHEAD OF ALL COMPETITORS.**

**Sole Manufacturers—THE DISTILLERS CO., LTD., EDINBURGH.**



Branch House: HOPKIN &amp; WILLIAMS, 16 CROSS ST., HATTON GARDEN, LONDON, E.C.



Established  
1798



# Howards & Sons

QUININE, CINCHONA ALKALOIDS,

Acetates of Soda & Potash.  
Acids, pure.  
Æthers, pure & methylated.  
Antimony preparations.  
Benzoic Acid & Benzoates.  
Bicarbonate of Soda (Howards').  
Bismuth Salts, including Salicylas  
Borax & Boracic Acid.  
Bromides of the Alkalies.  
Caffeine and Citrate, P.B.  
Calomel.  
Camphor Bells, Blocks & Flowers.  
Citrate of Iron & Quinine, P.B.  
Citric Acid & Citrates.

Cocaine and its Salts.  
Corrosive Sublimate.  
Ext. Cinch. Liq. P.B., & H. & S.  
Iodides of the Alkalies.  
Iodoform.  
Liq. Bismuthi et Am. Citratiz.  
Magnesia.  
Mercurials.  
Rochelle Salt & Pulv. Seidlitz.  
Scale preparations.  
Spirit preparations, and for Ex-  
port under drawback.  
Terebene.  
Zinc and Iron Sulphates, &c.

AND OTHER PHARMACEUTICAL CHEMICALS.

## Stratford, Essex.



*Detailed Price Lists on application.*

CRESCENT



BRAND.

# BICARBONATE OF SODA,

REFINED AND RECRYSTALLIZED.

PURE AND CHEAP.

## ANALYSIS.

Bicarbonate of Soda	...	...	...	...	97.20
Mono Carbonate of Soda	...	...	...	...	1.90
Sulphate of Soda	...	...	...	...	trace
Chloride of Sodium	...	...	...	...	.035
Moisture	...	...	...	...	.82
Insoluble	...	...	...	...	nil

# PURE ALKALI,

GUARANTEED 58 DEGREES.

EQUAL TO 98 PER CENT. OF CARBONATE OF SODA.

Most economical form of Soda for the use of Printers,  
Bleachers, Dyers ; Glass, Paper, and Soap Makers.

## CONCENTRATED CRYSTAL SODA

(Sesqui-Carbonate).

By far the Purest and Cheapest form of Washing Soda.

Only 1 lb. of Concentrated Crystal Soda required to do the work of 2 lbs. of Washing Soda

# SODA CRYSTALS

OF THE FINEST QUALITY.

CAUSTIC SODA. BLEACHING POWDER.

# BRUNNER, MOND & CO., LIM.

*Manufacturers of Soda by the Ammonia Process,***NORTHWICH, CHESHIRE.**



A FEW OF

# T. HOWARD LLOYD & Co.'s

## SPECIALITIES FOR THE TRADE.

### THE LEICESTER

**Soluble Pearl-coated Pills and Granules.**

The original LEICESTER make.  
Quality the very best.  
Prices equal to any in the market.  
Sales always increasing.  
Private Formulas prepared.

### "BICONICAL" HORSE BALLS.

Gelatine Capsuled with name on for orders of one gross.  
The most convenient form for administration.

### "COMPRESSED FLOWERS."

**The new Cachou.**

"A bright idea."  
Heliotrope, Jasmine, Lily of the Valley, Lavender,  
Wood Violet, Opoponax, Rose, &c., &c.  
In 1-lb. bottles, elegantly labelled, or put up in  
slide boxes or screw-top bottles.  
Samples and price on application.

### THE LATEST NOVELTY IN SULPHUR TABLETS: Yellow and Pink Sulphur Trochettes.

"A decided hit."  
The colouring matter used is quite harmless.  
Write for free samples.

### MAGNES. CIT.

We manufacture four qualities of this—viz.,  
A, B, C, and D.  
In bulk, or in 1-lb., ½-lb., and ¼-lb. round bottles,  
corked.  
Also in blue flats, lettered, patent stoppered or  
wood-top corks.  
Also flavoured and tinted—Raspberry, Lemon, or  
Lime Fruit.

### "MALTO PETROLEO."

This preparation consists of the purest Extract of  
Malt, combined with 33 per cent. of purified Petro-  
leum Oil.

Purified Petroleum is a most agreeable and effective  
substitute for Cod Liver Oil, largely prescribed by the  
most eminent physicians, and its chief advantage is  
that it is almost without taste or smell, is readily  
assimilated and taken with avidity by Ladies and  
Children.

Put up in 1-lb. bottles.  
Samples and price on application.

### PEARL-COATED DOG PILLS in boxes.

One of the most saleable lines introduced.  
In boxes containing 1 doz. 3 1/2, or 6d. packets.  
Particulars on application.

### BIRD and POULTRY PILLS in boxes.

A similar line to our Dog Pills.  
Sample and prices on application.

### THE "COLLOID" CAPSULES.

The best in the market.  
100 formulae on application.

### COMPRESSED TABLETS of pure drugs.

For internal and Hypodermic use.  
In bulk or put up in bottles for retail sale, and with  
or without our name.  
List on application.

### BRONCHOLS.

The most effective Cough Lozenge yet introduced.  
Especially useful in obstinate and long-standing  
coughs.  
The Label has been passed by the authorities of  
Somerset House as free from Stamp Duty.  
In tins to retail at 6d. and 1s. Samples free.

### EFFERVESCING FRUIT SALINE or Salt of Health.

In bulk or put up in 6-oz. or 8-oz. Patent stoppered  
bottles, with and without cartoon and wrapper. Also  
in 4 oz. tins.  
Fruit saline, flavoured and tinted—Raspberry, Lemon,  
or Lime Fruit in white glass bottles.

### THE NEW FRUIT SALINE GRAINS.

A very decided improvement upon the ordinary Fruit  
Saline, being in minute granules, effervescing rapidly,  
and keeping much better than powder.  
In 6-oz. white patent stoppered flats.

### THE NEW SULPHUR SALINE GRAINS.

A splendid combination of the new Fruit Saline  
grains with pure precipitated Sulphur. One of the  
most taking preparations for this season of the year.  
In 6-oz. white patent stoppered flats.  
Bayer's name on 3 doz. and upwards.

SAMPLES AND FULL PRICES ON APPLICATION. SPECIAL TERMS TO SHIPPERS.

We have secured a Stand at the forthcoming Exhibition, where we shall show samples of all our various Specialities,  
including the above.

**T. HOWARD LLOYD & CO.,** WHOLESALE AND EXPORT DRUGGISTS  
AND MANUFACTURING CHEMISTS,  
86 High Street and Town Hall Lane, LEICESTER.

## TO THE MEDICAL PROFESSION AND CHEMISTS.

Owing to misapprehensions as to the amount of morphine used in the preparation of

### **Mrs. WINSLOW'S SOOTHING SYRUP,**

we wish to state that the amount is one-eighth ( $1/8$ ) of one grain to a fluid ounce. As there are eight teaspoonfuls to an ounce, the amount of morphine in a teaspoonful, our maximum dose, is one sixty-fourth ( $1/64$ ) of a grain.

It will be seen that this is very much less than the quantity used in other preparations authorised by the Pharmacopœia.

The Anglo-American Drug Company (Lim.),

W. RENAUD, Managing Director.

33 Farringdon Road, London.

## DR. SCOTT'S BILIOUS & LIVER PILLS.

The Proprietors of the above well-known Pills have decided in the interest of the Retail trade to stop all further cutting and allow a reasonable profit, and in so doing hope to secure the goodwill and co-operation of all respectable Chemists and Druggists.

### **A GOOD PILL and GOOD PROFIT.**

1/1½ size	...	...	...	...	Wholesale Price, 10/- per dozen.
"	"	...	...	...	Minimum Retail Price, 1/- „ box.
2/2	„	...	...	...	Wholesale Price, 24/- „ dozen.
"	„	...	...	...	Minimum Retail Price, 2/6 „ box.

The proprietors will be obliged if Chemists will report all cases of Cutting to

**THE SECRETARY, PROPRIETARY ARTICLES TRADE ASSOCIATION,**  
**2 and 3 STONECUTTER STREET, E.C.,**

who will see that the Cutting is stopped or supplies withheld.

Messrs. LAMBERT & CO. will be pleased to supply Handbills, with Name and Address, CARRIAGE PAID, on receipt of Business Card direct to  
 173 Seymour Place, London, W.



# DAVIES, GIBBINS & CO.

(For upwards of 20 years with John Richardson & Co., Leicester, Limited),

**BRIDGE STREET, DERBY.**

## SOLUBLE PEARL-COATED PILLS

AND

### FLEXIBLE GELATINE CAPSULES.

**Special NET prices.**

Pil. Ferri Blaud, in 10-gross tins, 3½d.; 100-gross tins, 3d. per gross.

In 1-gross metal-capped bottles, 52/- per gross.

Little Aperient or Liver Granules, in metal-capped tubes (40 in each), coated white, 30/- per gross.

#### APERIENT PILLS.

		10-gross lots.	100-gross lots.
No. 32.	Ext. Aloes Aquos ... ..	9i.	
	Pulv. Cambog. ... ..	gr. iv.	
	" Jalapæ ... ..	" viii.	
	" Colocynth ... ..	" vi.	
	Hyd. Subchlor. ... ..		
	Pulv. Sapo. Hispan ... ..	aa " iv.	
	Gingerin ... ..	" ii.	5d. 4d.
	Ft. Pil. xii.		

#### "LITTLE" APERIENT PILL.

" 265.	Aloin ... ..	gr. 1/10	
	Podophyllin ... ..	" 1/5	
	Ext. Hyoscy. ... ..	" 2/5	
	Jalapine ... ..	" 1/10	
	Ext. Nucis Vom. ... ..		
	Capsicine ... ..	aa " 2/10	5d. 4d.
" 1.	Pil. Aloes et Ferri, P.B. ...	5d.	4d.
" 2.	" " Myrrh, P.B. ...	1/-	11d.
" 4.	" Colocynth Co., P.B. ...	10d.	9d.
" 5.	" " et Hyoscy., P.B. ...	1/-	11d.
" 8.	" Ipecac. et Scillæ, P.B. ...	6d.	5d.
" 10.	" Rhei Co., P.B. ...	5d.	4d.

#### BLAUD'S C. ARSENIC.

" 140.	Pil. Blaudii ... ..	gr. v.	
	Acid. Arseniosi ... ..	" 5/10	5d. 4d.
" 141.	Pil. Blaudii ... ..	" v.	
	Acid. Arseniosi ... ..	" 1/100	5d. 4d.
" 142.	Pil. Blaudii ... ..	" v.	
	Ferri Arsenias ... ..	" 1/36	5d. 4d.
" 143.	Pil. Blaudii ... ..	" v.	
	Ferri Arsenias ... ..	" 1/50	5d. 4d.

#### DANDELION PILLS.

		10-gross lots.	100-gross lots.
No. 272.	Ext. Taraxaci ... ..		
	" Anthem ... ..		
	Pulv. Rhei ... ..	aa gr. i.	
	" Aloes Barb. ... ..		
	" Zingib. ... ..	aa " ss	6d. 5d.
	Ol. Carui ... ..	" " 1/4	

#### TIC PILLS.

" 208.	Quineti ... ..		
	Ferri Sulph. ... ..	aa gr. ss	
	Ext. Belladon. ... ..	" " 1/4	
	" Colchici Acet. ... ..	" " ss	
	" Hyoscyami ... ..		
	Camphoræ ... ..	aa " i.	1/- 11d.

#### TONIC PILLS.

" 131.	Ferri Sulph. ... ..	gr. i.	
	Ext. Gentianæ ... ..	" iii.	5d. 4d.

#### PENNYROYAL PILLS.

" 247.	Ol. Pulegii ... ..	grt. 1/8	
	Pil. Aloes et Ferri ... ..	gr. iv.	6d. 5d.

#### QUININE PILLS.

" 250.	Quininae Sulph. ... ..	gr. i.	8d. 7d.
" 251.	" " " " " " " "	gr. ij.	1/2 1/-

#### PERMANGANATE OF POTASH PILLS.

" 242.	Potass. Permang. ... ..	gr. i.	6d. 5d.
" 243.	" " " " " " " "	gr. ij.	9d. 8d.

## FLEXIBLE GELATINE CAPSULES.

Bals. Copaibæ, min. 10 ... ..	8/6 per 1,000; in boxes containing 36, 5/6 per doz.
Blaud's = two pills ... ..	13/- " " " 30, 7/3 "
Cascara Sagrada = 1/2 drachm Liq. Ext. ... ..	12/6 " " " 30, 7/3 "
Compound Senegæ ... ..	14/- " " " 24, 7/3 "
Copaibæ, Cubebæ, and Santal. ... ..	22/- " " " 36, 12/- "
Creasote, min. 1 ... ..	8/6 " " " 36, 5/6 "
" " 2 ... ..	11/- " " " 36, 6/6 "
Guaiacol, " 1 ... ..	12/6 " " " 36, 8/6 "
" " 2 ... ..	14/- " " " 36, 10/6 "
Ol. Santal. Flav., min. 10 (English warranted) 32/-	" " " 24, 12/- "

**SPECIAL RATES TO LARGE BUYERS.**

TRADE

Telegrams—"PHARSALIA."

Telephone No. 2759 (Gerrard).



MARK.

# JOHN SANGER & SONS

DEALERS IN

Proprietary Medicines, Druggists' Sundries, Perfumery, Mineral Waters, Lozenges, Surgical Instruments, Photographic Apparatus and Sundries, &c., &c.

NEW CATALOGUE, NOW READY, WILL BE SENT POST FREE ON RECEIPT OF BUSINESS CARD.



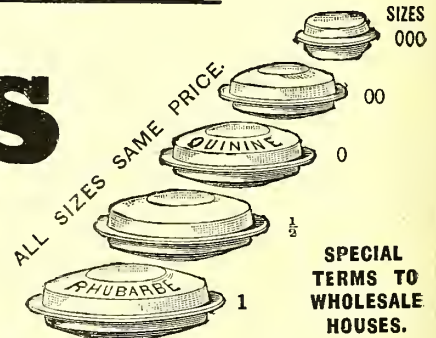
J. DIGNE &amp; CO.'s

## CACHETS

(CAPELLIFORMES.)

Plain White, per 1,000 ...	...	...	...	...	3s. 3d.
" " 1,000 at a time, per 1,000	...	...	...	...	3s. 0d.
Coloured, per 1,000 ...	...	...	...	...	3s. 6d.
" " 1,000 at a time, per 1,000	...	...	...	...	3s. 3d.

Customer's Name and Address printed free on orders of 5,000 assorted, or 6d. per 1,000 extra on orders for 1,000 of a size. Name of Customer embossed free, but cost of die according to wording charged for from 2s. 6d. each size.



ALL ABOVE PRICES SUBJECT TO OUR USUAL 10% AND 5% DISCOUNT.

WAREHOUSE & SHOWROOM: **2 WINSLEY STREET, LONDON, W.**

# BEECHAM'S PILLS

## IN £5 LOTS.

Complying with the voice of the majority of the Trade, the Proprietor of **BEECHAM'S PILLS** has reduced the minimum limit of orders to Five Pound Lots, and hopes this may be generally acceptable.

The new arrangement came into force on January 1st and the prices are now as follows:—

<b>BEECHAM'S PILLS.</b> — 9½d. size (36 pills) ...	...	...	7/- per dozen, net.
13½d. " (56 pills) ...	...	...	9/6 " "
2/9 " (168 pills) ...	...	...	25/- " "

No orders executed below £5 value. These prices are the lowest, no matter what quantity is ordered.

**BEECHAM'S TOOTH PASTE** (in collapsible tubes).—1/- size ... per dozen, net, 7/6

Packages free. Carriage paid.

Cash must in all cases accompany orders, which, with requisitions for advertising matter, must be addressed—

**THOMAS BEECHAM, ST. HELENS, LANCASHIRE.**



# Mitchell's CASTOR OIL

The *Lancet* of 8th June, 1895, says:—"MITCHELL'S PROCESS of extracting and refining Castor Oil is obviously an improvement which the profession cannot fail to approve and welcome, since in removing the great objection to the Oil—namely, that of repulsive taste, as well as in securing its full therapeutic effect—it is calculated to assist and to facilitate the administration of a very valuable therapeutic agent."



The *British Medical Journal* of 18th May, 1896, says:—"Castor Seeds have, unless very old, a pleasant nutty flavour, and the disagreeable taste of ordinary Castor Oil has been produced by the conjoint action of moisture, air, heat, and fermentative changes during the expression of the Oil from the Seeds and its subsequent treatment. An Oil can be obtained as pleasant to the taste as the fresh seed, if the expression is not assisted by artificial heat, and the Oil at once freed from impurities by filtration without heat, in vessels from which air is excluded, and bottled in *vacuo*. . . . By MITCHELL'S COLD PROCESS . . . the Oil thus obtained has a simple bland taste, resembling olive oil, the nauseous taste associated with the ordinary Cold Drawn Castor Oil being entirely absent."

The *Hospital* of 8th June, 1895, says:—"We have tested the samples sent us both clinically and chemically, and the results are excellent. . . . We have never yet met with an Oil that had not this taste till we tried Mitchell's. . . . We consider this Oil the very best we have met with, and can cordially recommend its use to the profession."

Put up in 2, 4, & 8 oz. bottles, to be retailed at 6d., 9d., & 1s.

Also supplied in  
WINCHESTERS at low prices, which will be forwarded on application.

FOR PARTICULARS AS TO DISCOUNTS, &c., APPLY

**THE UNITED BRITISH CASTOR OIL CO., LTD.**  
OSSORY ROAD, LONDON, S.E.

## READ THE FOLLOWING LETTERS They Speak for Themselves.

GENTLEMEN,—I notice your Ad. in the *C. & D.* for Saturday last. Please send me a copy of your Price-list, &c. With reference to your offer regarding the saving you can give the trade, if your list is satisfactory I will give you an opportunity of verifying the same.

Yours truly,

GENTLEMEN,—Your Price-list and Samples to hand. I must honestly confess your prices are really an eye-opener; if the goods are as satisfactory in quality as in price, I shall be pleased to do a good trade with you. Please send on the enclosed trial order at your earliest convenience, and oblige,

Yours truly,

GENTLEMEN,—I reply to yours, I have pleasure in stating that I am perfectly satisfied with the goods I have received; the quality is quite equal to what I have previously had (and I have always been particular in buying the best of everything), and you are quite within bounds in stating that your prices are from 25% to 50% below the usual charges. If you continue to give the same satisfaction, I shall give you my entire trade in the lines you carry, which, though perhaps not a very big item with the retail chemist, your offer to pay carriage on small lots makes it worth any chemist's while to remember you for these goods. Nowadays, when there is so much competition to meet, one must watch the buying end closely, as you state in your Ad.

I am, Gentlemen, yours truly,

**This is the Grist of over 100 Letters  
we have lately received.**

Send your Name and Address, and we will put you  
in a position to say the same.

**BROOK, PARKER & CO.,** WHOLESALE  
BRADFORD. DRUGGISTS

## FORMALDEHYDE.

*Original Make.*

SOLE AGENTS FOR THE UNITED KINGDOM—  
**J. NORRENBERG & CO.**  
CANNON STREET BUILDINGS,  
139 CANNON STREET, LONDON, E.C.

MANCHESTER DEPOT—  
**D. LAWTON & CO.**  
TREVELYAN BUILDINGS,  
52 CORPORATION STREET, MANCHESTER.

## HOLLOWAY'S PILLS & OINTMENT

*Have the Largest Sale of any Medicine in the World.*

MANUFACTURED ONLY AT  
**PROFESSOR HOLLOWAY'S ESTABLISHMENT,**  
78 New Oxford St. (late 533 Oxford St.), London.

And sold at 1s. 1½d., 2s. 9d., 4s. 6d., 11s., 23s., and 89s. each Box or Pot. Chemists and Druggists selling "Holloway's Pills and Ointment" can, on application to the above address, or to the Wholesale House with whom they deal, be supplied free of charge with Handbills and Posters with their name and address printed at foot.

Wholesale Terms see List of "Proprietary Articles" in most Prices Current.

## SPONGE IMPORTERS.

**M. PETERSON & CO.**  
6 HOUNDSDITCH, LONDON.

FOR HOME FOREIGN, & COLONIAL MARKETS.



# PURE CHLOROFORM

A definite Chemical Compound, answering B.P. and all Official Tests.

Has obtained the confidence of the most eminent Surgeons, has been used successfully in the Edinburgh Royal Infirmary, in the Edinburgh Royal Maternity and Simpson Memorial Hospital, and in the most important Institutions both at home and abroad.

Obtainable from Wholesale and Export Houses, or direct from the Manufacturers,

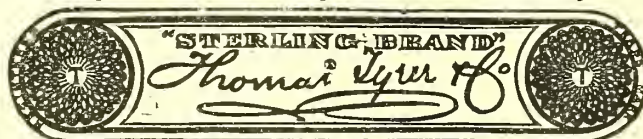
**J. F. MACFARLAN & CO.**

Edinburgh Address: 93 & 109 Abbey Hill. London Address: 9 & 11 Moor Lane, Fore St., E.C.  
CHEMICAL WORKS:—ABBEY HILL, EDINBURGH.

## THOMAS TYRER & CO.

Chemical Works, Stratford, LONDON, E. (Established 1844),

DIRECTOR  
OF  
LABORATORIES



THOMAS  
TYRER,  
F.I.C., F.C.S., F.S.S.

**CHEMICALS FOR ANALYSIS—PHARMACY—PHOTOGRAPHY—  
ANTI-FOULING—PAINTING—FIRE & WATER PROOFING,  
Or other Scientific or Technical Purposes.** (1)

## SOCIÉTÉ CHIMIQUE DES USINES DU RHONE, LYONS.

BACTERIOLOGICAL INSTITUTE.

### LYONS ANTISTREPTOCOCCIC SERUM.

Prepared according to Dr. Marmorek's method exclusively by Doctors Mérieux and Carré, ex-Assistants of the Pasteur Institute, Paris. Strength, 30,000 units, according to Dr. Roux.

### ANTIVENOMOUS SERUM, ANTIDIPHThERITIC SERUM, & VACCINE LYMPH.

Specially prepared for use in Warm Climates.

THE LYONS SERUMS ARE OBTAINABLE THROUGH WHOLESALE DRUGGISTS.

For general information apply to the SOLE AGENTS for the United Kingdom, Indian Empire, and the British Colonies—

**R. W. GREEFF & CO., 3 EASTCHEAP, LONDON, E.C.**

## BAYER'S PHARMACEUTICAL SPECIALITIES.

**TRIONAL.  
SOMATOSE.**

Absolutely safe and efficacious Hypnotic. Dose: 15 to 20 grains.  
An important nutrient and invigorant, especially for Convalescents, Invalids, Phthisis, Chlorosis, Carcinoma ventriculi Rachitis.

**IODOTHYRIN.  
SALOPHEN.  
TANNIGEN.  
LYCETOL  
SYCOSE.**

The active principle of the Thyroid Gland.  
A Specific for Headache, Influenza, Acute Muscular Rheumatism.  
Acting promptly in Chronic and Acute Enteritis, especially for Children.  
(Tartrate of Piperazine). Antilithic, Uric Solvent.  
The purest Artificial Sugar, free from para acid.

**EUROPHEN.**

A perfect substitute for Iodoform, odourless, and non-toxic. *Special indications:* Ulcus Molle, Papul. Madid., &c.

**ARISTOL.**

An excellent cicatrising agent. *Special indications:* Burns, Ulcus Cruris, Parasitical Eczema, Ozæna,

**PIPERAZINE-BAYER, PHENACETINE-BAYER, SULFONAL-BAYER, SALOL-BAYER.**

Wholesale Depot for all "Bayer's" Drug Specialities:

**ELBERFELD FARBENFABRIKEN CO., LTD., 19 ST. DUNSTAN'S HILL, E.C.**

Also at Manchester, Glasgow, and Bradford.



**TO ADVANTAGE.****INSECT POWDER.**

Genuine Dalmatian, ground from the Closed Wild Flowers of "Pyrethrum roseum."

**POWDERED HELLEBORE.**

In fine Powder, and Genuine,

**STAVESACRE SEEDS.**

Own Import. We offer the Seeds whole or ground (own grinding).

**CARBOLIC ACID, PALE LIQUID, 97%.**

Having favourable contracts can offer to advantage in quantity.

Special Quotations on application. For lowest prices quantities should be stated.

**W. KEMP & SON, Wholesale Druggists, HORNCastle.****LOFTHOUSE & SALTMER,****MANUFACTURING CHEMISTS, WHOLESALE & EXPORT DRUG MERCHANTS, HULL.**Manufacturers of Granular Effervescent Preparations. We shall be glad to give specially favourable quotations, and send samples of our superior Nos. 1, 2, and 3 qualities of **CITRATE OF MAGNESIA.**

Importers of Cod-liver, Castor, and Olive Oils; Extra Super Essence of Lemon and Bergamot, Otto de Rose, and all



Essential Oils; Valentinia Saffron; Vanillas; Fruit Essences; Carmine, Aniline Dyes; Bees' Wax, &amp;c., &amp;c.

MANUFACTURERS of Very Superior Flexible Gelatine Capsules of Balsam Copaiba, Cascara Sagrada, Castor Oil, Cod-liver Oil, Santal Oil, and Bland's Pill Capsules, equal to 1, 2, and 3 pills. Samples and Lowest Quotations per 1,000, or in Boxes for Retail, will be sent on application from either the Wholesale or Retail Trade.

**IODINE - VALSÖL OIL**

(Supersedes the Tincture of Iodine).

1%, 6%, and 10% Solution of Iodine in oxygenated Petroleum (Vaselinum oxygenatum, Klever).

**DOES NOT BLISTER NOR STAIN THE SKIN, IS READILY ABSORBED,**

Which has been proved by urine analysis.

**IODOFORM - VALSÖL,**1½% and 3% clear solution of Iodoform in oxygenated Petroleum, forms an **EMULSION** with liquids such as the normal and pathological secretions of the skin, mucous and serous membranes, glands, tissues, sores, &c., and is **absorbed** with a facility unknown before.Also Creasote-Valsöl, 5% and 20%; Ichthyol-Valsöl, 10%; Menthol-Valsöl, 25%; Creolin-Valsöl, 5% and 15%; Hydrarg. Kal. Jodat. Valsöl, 2½%, form **EMULSIONS**, and are perfectly **absorbed**.**VALSOLUM PURUM SPISSUM,**Most perfect aseptic ointment base; soluble in water 80° C.; Hydrargyrum Valsöl, 33½ and 50%, easily **absorbed**.**WILLIAM POPPELREUTER,**

54 Portland Street, Manchester.

BRANCH: 19 ST. DUNSTAN'S HILL, LONDON, E.C.

**POTASS. CYANIDE**

(From 30 % to 98 %),

**YELLOW PRUSSIAN OF POTASH,**Nitrate of Silver, Chloride of Gold,  
AND OTHER**CHEMICALS**FOR PHARMACEUTICAL, PHOTOGRAPHIC, AND  
TECHNICAL PURPOSES.**FREDK. BOEHM, 16 Jewry Street, LONDON.**

AGENT FOR THE

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**SCOTTISH ACID & ALKALI CO.**

(LIMITED).

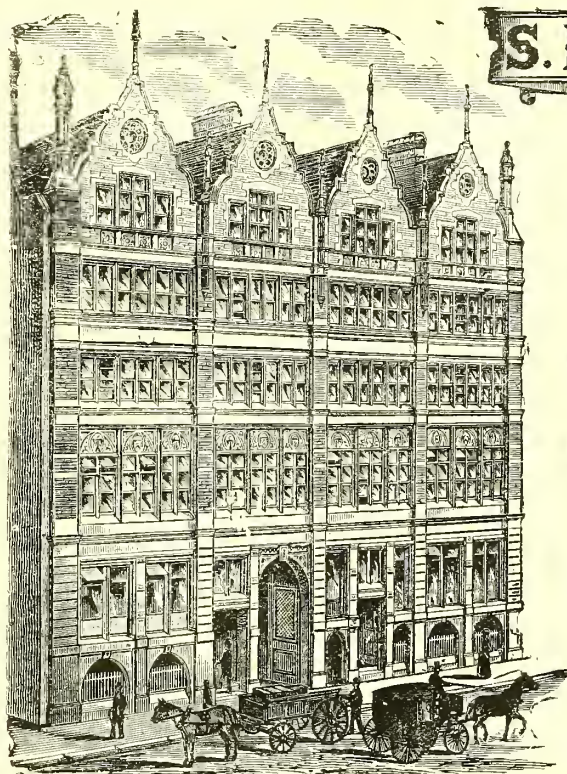
Mr. R. H. STEEDMAN, Managing Director.

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**RESUBLIMED IODINE,****PURE IODIDES of POTASSIUM & SODIUM,****IODOFORM,****Commercial Sulphuric Acid.**Registered Office—82 W. REGENT STREET, GLASGOW.  
Works—Longford Chemical Works, KILWINNING,  
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**DRUGGISTS' SUNDRIES**

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MAY BE HAD ON APPLICATION ENCLOSED BUSINESS CARD.

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# ABSORBENT LINT

*(Of Improved Qualities)*

**SAMPLES SENT POST FREE ON APPLICATION.**

	Per lb.				Not less than 112 lbs. each or assorted, per lb.
Maw's No. 1 Hospital .	1/3	5 per cent. Monthly a/c.	.	.	1/1
Maw's No. 2 Hospital .	1/6		.	.	1/3
Maw's Superior Hospital	1/9		.	.	1/6
Maw's Superior Surgeons'	2/-		.	.	1/9
TAYLOR'S Super A1 Flax <i>Improved Absorbent</i>	3/-		.	.	2/6
Ditto, in 1-oz. packages	3/6		.	.	3/-
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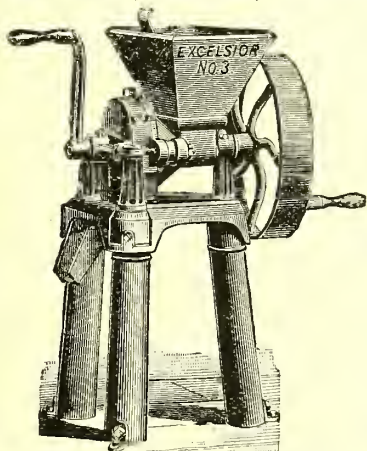
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MADE IN THREE SIZES, FOR HAND OR POWER.

Suitable for Grinding

Wet or Dry Corn, Coffee, Cocoa, Spices, Drugs, Roots,  
Seeds, Herbs, Barks, Rock Salt, or similar substances.

Simple. Cheap.  
Durable and Efficient.



Send for Price List.  
All Sizes in Stock.

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Engineers and Coppersmiths,

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ESTABLISHED 100 YEARS.

Telegrams—"COPPERSMITHS LONDON." Telephone 59,095 Dalston.

# DIAMOND JUBILEE GOODS.

To avoid necessity of overstocking, we have arranged Assorted Parcels as under:—

Parcel A.—Cost, 10/6; realises retail, 17/6

" B. " 20; " " 35/-

= 40 per cent. Profit on Returns.

These parcels contain an assortment of various goods relating to Jubilee. All good saleable lines.

## JUBILEE PUFF BOX.

Decorated tin, with photos of the Queen and all the Heirs to the Throne, in 6 or 7 Royal colours, 3/- doz.

## SMELLING BOTTLES.

Well recommended.

No. 374.	Crystal glass, heart shape	...	29 doz.
" 377.	Coloured glass, 3 colours, heart shape	...	36 "
" 375	Small heart	...	26 "
" 376	Upright square, well cut, Maltex stopper	4/-	"

## QUEEN OF HEARTS SALTS,

Filled and boxed.

A very smart line, applicable to this year, 4/- doz.

**SHIRLEY BROS.**

105 & 107 WHITECROSS STREET, E.C.

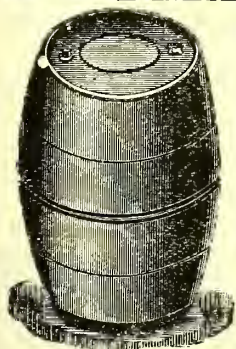
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NO COOPERAGE, NO LEAKAGE, NO LOSS BY EVAPORATION.

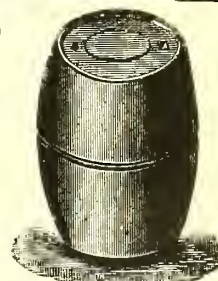
For Carrying and Storing  
Chemicals, Spirits, Acids, Varnishes, Oils,  
and Other Liquids.

ALSO

White Lead, Paints, Resin, Gums,  
Wax, Soft Soap, and other Dry or Semi-  
Liquid Goods.



Are less Dangerous than  
Wood Barrels.

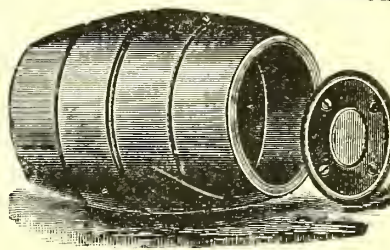
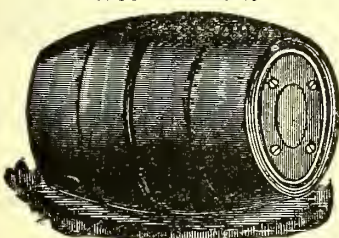


Occupy Less Space,  
are Stronger  
and more Durable  
than Wood Barrels.

**CORRESPONDENCE INVITED.**

SOLE MANUFACTURERS,  
**IRON & STEEL PLANT CO.  
LIMITED,**  
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WORKS—Barrow-in-Furness.





## Do you require Petroleum Jelly ?

If so, SNOWDON'S PETROLEUM JELLY, White or Yellow, is the best and purest obtainable. It fulfils all the requirements of the B.P., is pronounced by the Medical Profession to be unsurpassed, and DR. S. RIDEAL, D.Sc. Lond., F.I.C., F.C.S., states that the various kinds are of "uniform good quality."

## Have you seen our New Speciality in Petroleum Jelly ?

The "SNOWDRIFT" (Regd.) BRAND is of a tough or stringy consistency, and is highly commended by *The Hospital*, which says of it "That its tough or stringy nature is a great improvement. We learn that already the demand for the "Snowdrift" Brand is very great. It is cheaper than ordinary vaseline, and we confidently recommend it to the Medical Profession." Samples and Prices will be sent on application.

## Send for a Sample of "Snowdrift."

Address SNOWDON, SONS & Co., Millwall, London, E.

Telegraphic Address: "SNOWDRIFT, LONDON."

Telephone: 5127.

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**JONES & COMPANY,**  
COPPERFIELD ROAD,  
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LARGEST MAKERS IN THE KINGDOM.

We are prepared to supply METHYLATED SPIRIT in 5-gallon quantities at Lowest Prices.

**REDUCTIONS TO LARGE BUYERS.**  
SAMPLES FREE.

**BOORD & SON,**  
DISTILLERS, FOREIGN WINE AND SPIRIT MERCHANTS, AND METHYLATORS.  
ALLHALLOWS' LANE AND BARTHOLOMEW CLOSE, LONDON, E.C.  
Quotations for S.V.R. Methylated Spirit and Finish on application.  
FINEST ORANGE WINE FOR QUININE.

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**B. B. HARESCEUGH & CO., Wellington St., LEEDS,**

Who supply Chemists with any of the following preparations packed in their own name:—

Arsenical Powder Dip; Arsenical Paste Dip; Non-Pois. Paste Dip and Fluid Dip; Horse and Cattle Washes; Paste and Fluid; Maggot Lotion; Mange Liniment; Dog Soap; Carbolic Powder; Carbolic Acid; Carbolic Soft Soap.

DISINFECTANTS, BOTH POWDERS AND FLUIDS, IN BULK.

PRICES ON APPLICATION.

ESTABLISHED 1860.



**WHY** sell Proprietary Tooth Powders at a nominal profit when you can build up a solid business for yourself by introducing **your own**, thus not only getting a bigger profit, but retaining your own connection?



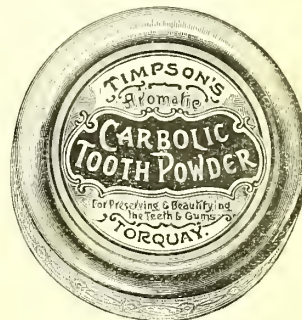
A

Handsome Litho Labels worked up in Colours specially designed for ourselves.



B

The same design not supplied to two Chemists in any one town.



C

The above Tooth Powder is prepared with neutral non-gritty materials, and, by a peculiar process, the Carbolic Acid is free, thus acting not only as a perfect Dentifrice, but also as an Antiseptic and Breath Purifier.

Prices:—6d. Size, 3/- per dozen; 6-dozen lots, 2/9 per dozen; 12-dozen lots, 2/6 per dozen.  
1/- Size, 5/6 per dozen; 6-dozen lots, 5/- per dozen; 12-dozen lots, 4/6 per dozen.

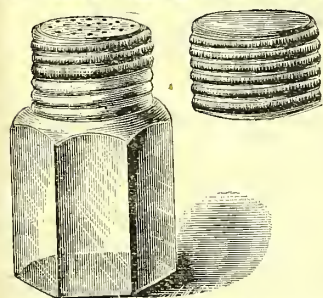
Chemists' own names and addresses free on orders *equivalent* to 12 doz. 6d., which orders can be made up of either 6d. or 1s., in either A, B, or C designs, but only one design can be used for each order.

*When ordering state whether A, B, or C design is required.*

A complete set of the 6d. size sent post free to any part of the United Kingdom for 12 stamps, or to any part of the world for 30 stamps.

## AYRTON & SAUNDERS, Manufacturing Perfumers, LIVERPOOL.

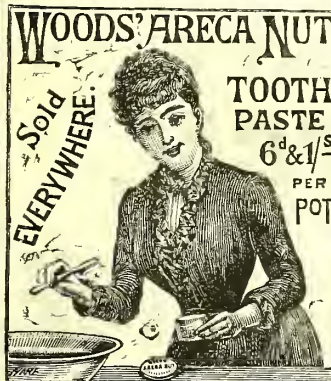
### BENTLEY'S PATENT POWDER DREDGERS



#### FOR IODOFORM

Foot Powder,  
Boot Powder, &c.  
Price from 2/6 per doz.

E. BENTLEY & SON,  
Bath Street,  
City Road,  
LONDON.



Removes Tartar, Whitens the Teeth, Sweetens the Breath, and Checks Decay.

Largest  
Sale in the World  
Hundreds  
of Testimonials.  
Have no Substitute.

Also in Collapsible  
Tubes, 1s. each.

**WOODS,  
PLYMOUTH.**

# BEESWAX

GUARANTEED PURE, YELLOW AND WHITE.

*In Blocks, Cakes, Tablets, or any other form, at lowest possible prices.*

FREE TO ANY PLACE IN THE UNITED KINGDOM.

**AND BEST PURE BLEACHED CARNAUBA WAX.**

**LÜNEBURGER WACHSBLEICHE (Wax Bleaching Works),  
LÜNEBURG, near HAMBURG, GERMANY.**



## THE "ACME" WEED KILLERS

Have now a large sale through CHEMISTS, and early application should be made for Illustrated Counter Bills and Show Cards.



### POWDER WEED KILLER.

Packed in small decorated tins.

Immediately soluble in cold water.

All tins Free.

No return empties.

Specially adapted for Export.

### LIQUID WEED KILLER.

Strength: 1 gall. sufficient for 25 galls. of water.

### DOUBLE STRENGTH.

1 gall. sufficient for 50 galls. of water.

*Liberal terms to the Trade.*

*Write for 1897 Price List.*

### GENUINE KENTISH COMPRESSED HOPS.

In 1-lb. and ½-lb. packets, with directions for making Hop Ale, Hop Bitters, &c.

Also best Kentish Hops in bulk.

### QUASSIA CHIPS, QUASSIA CUPS, &c.

SOLE PROPRIETORS AND MANUFACTURERS—

**THE ACME CHEMICAL COMPANY, LIM.**

**TONBRIDGE, KENT,**

**And CARLTON ST., BOLTON, LANCASHIRE.**

# WILEY'S CHEMICAL ESSENCE

FOR

## Lameness in Horses

HANDBILLS, with NAME and ADDRESS,  
SUPPLIED GRATIS.

50 YEARS' UNBROKEN SUCCESS.

SOLE MAKER AND PROPRIETOR:

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CHEMIST,

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TO BE HAD OF USUAL WHOLESALE HOUSES.



**CAMPHORTAR**

**8/- per Gross.**

**CAMPHORTAR**



A combination of Camphor, Eucalyptus, and Coal Tar. A powerful Disinfectant, Deodoriser, Insect Destroyer, and Air Purifier.

## CAMPHORTAR

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES.

**HEBDEN'S**

## CHLORIDE OF LIME

IN

**AIRTIGHT, ODOURLESS, WATERPROOF PACKETS**

Retains the Chlorine and keeps the Powder dry longer than any other packet.

4 oz., 8/- gross; 8 oz., 16/- gross; 16 oz., 30/- gross.

SOLD BY THE PRINCIPAL DRUG AND SUNDRY HOUSES

Samples on application.

Manufactured only by

**W. C. HEBDEN,** Albany Works,  
**HALIFAX, YORKSHIRE.**

**"ESSETS"**

DISINFECTING FLUID.

**"ESSETS"**

DISINFECTING POWDER.

**"ESSETS"**

DISINFECTING SOAP AND TOILET PREPARATIONS

One gallon of "Essets" Fluid is sufficient to make 1,000 gallons of Disinfectant.

Send for Corroborative Reports, Testimonials, Price Lists, and Particulars to—

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AGENTS WANTED.

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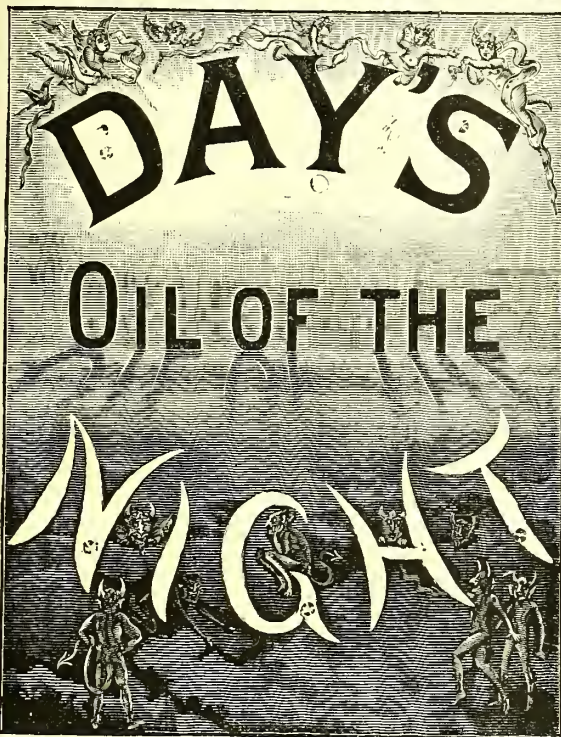
**BUY**

**KENT'S  
BRUSHES.**

See pp. 209-12, Summer Issue; also Diary, 1897,  
pp. 160, 161, 162, 163.



# DAYS' OIL OF THE NIGHT



## THE GREAT EMBROCATIVE BALM

Has now been proved well in front of any preparation for similar uses, and its sale is increasing by leaps and bounds.

*Neat Printing Gratis with every order from Crewe.*

## DAYS' OIL OF THE NIGHT

(HUMAN USE).

The Embrocative Balm for Rheumatism, Sciatica, Lumbago, Sprains, &c., &c., and all Aches and Pains.  
1/1½, 2/9, and 6/6 per bottle, less discount.

## DAYS' OIL OF THE NIGHT

(VETERINARY).

The Great Embrocation for Sprains, Swellings, Sore Throats, &c., &c., in Horses and Cattle.  
1/-, 2/6 and 6/- per bottle, less discount.

From Wholesale Houses, or direct.

**DAY & SONS, CREWE.**



## HORSE AND CATTLE MEDICINES.

LARGEST SALE IN THE WORLD.



For Colic and Gripes in Horses, Hoven or Blown Cattle and Sheep, Scour in Calves, &c.  
1s. 8d. per bottle, or 19s. per dozen.

### DAYS' "PURIFIED" DRIFFIELD OILS.

("DAYS' OILS.")

Heals Kicks, Cuts, Stake Wounds, Broken Knees, &c.; Safely Heals all Wounds in all Animals; a Soothing and Antiseptic Oil for Lambing and Calving.

Price 2s. 6d. and 6s. per Bottle.

### DAYS' WHITE OILS.

Unequalled as a Safe Embrocation for all Stock; for Sprains, Swellings, Wind-galls, Sprung Sinews; for Rheumatism, Sore Throat, Weak Joints; for Curbs and Splints when forming.

Price 2s. 6d. and 6s. per Bottle.

### THE "ORIGINAL" UNIVERSAL MEDICINE CHEST.

For Disorders of HORSES, CATTLE, and SHEEP.

Price, with Guide, "Everyday Farriery," £1 4s., £2 4s., and £5.

### DAYS' RED DRINK (OR COW DRENCH).

Cures Fever and Costiveness in Cattle; Cleanses and Cools the Blood and System; for Red Water, Indigestion, and Yellow; Cures Bad Cleansing and Prevents Milk Fever.

Price 12s. per dozen Packets.

The "EWE DRENCH" acts as above for sheep. 8s. 6d. per dozen.

### DAYS' HUSKOLEIN.

The most successful remedy for Husk, Hoose, or Hoast in Stock, and Worms in Horses, Cattle, and Dogs.

Price 6/6 per bottle, 5 bottles 30s., or 12 bottles, £3.

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Arranged specially for Disorders in HORSES.

Price, with Guide, "Everyday Farriery," £1 4s., £2 14s., and £5.



# MILK STERILIZERS.

Nos. 1, 2, and 3.

## HAWKSLEY'S PATENT.

Descriptive Pamphlets Free by Post.

**DAILY INCREASING SALE.**
See *Diary*, page 574.

May be had through the Wholesale Trade, or direct from

**Patentee, 357 OXFORD STREET, LONDON, W.**

## DISPENSING BOTTLES.

**THE NORTH LONDON GLASS BOTTLE COMPANY**

(I. ISAACS &amp; CO., Proprietors)

Beg to Inform the Trade that they have made a further reduction in the price of their Bottles, as follows:—

The NEW SHAPE FLAT BOTTLES, with rounded edges, plain or graduated—

3 & 4 oz. .. 7/6 per gross.	10 & 12 oz. .. 12/- per gross.
6 „ 8 „ .. 8/6 „	16 „ .. 16/- „
WHITE MOULDED PHIALS, plain or graduated Teaspoons—	
1/2 oz. .. 3/6 per gross.	1 1/2 oz. .. 4/6 per gross.
„ „ 3/9 „	2 „ .. 5/- „

### PLEASE NOTE.

Six gross and upwards, assorted or otherwise, are carriage paid to any address in England; smaller quantities not carriage paid.

**I. ISAACS & CO., Glass Bottle Manufacturers,**  
**106 MIDLAND ROAD, ST. PANCRAS, LONDON.**

Established 50 years.

Bankers—London and Westminster Bank

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(Late W. Hurlstone &amp; Co. Established 1830).

Makers on the premises of every description of Elastic Gum Surgical Instruments, Elastic Stockings, &amp;c.

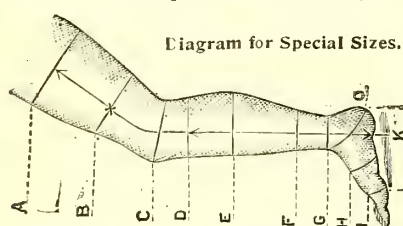
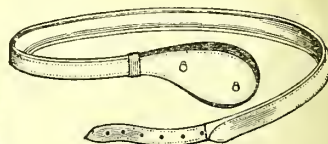
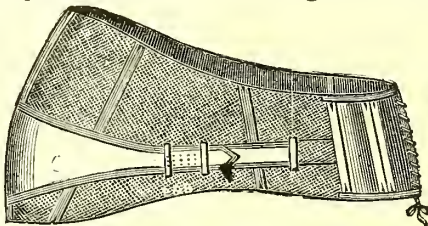


Diagram for Special Sizes.



Chest Protectors, Eye Shades, Respirators, Indiarubber Goods, Pessaries, Bath Gloves, Hot Water Bottles, Sponge Bags, Catheters, Bougies, Specula, Artificial Limbs, &amp;c., &amp;c.

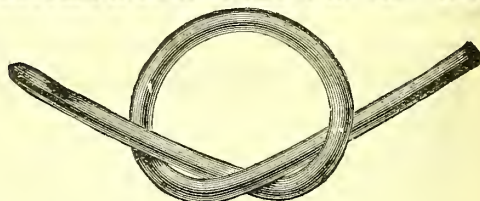
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**ABSOLUTELY  
RELIABLE.**

**TRADE PRICE  
MODERATE.**
**SALE UPWARDS**
**OF 4,000,000.**
**A. LAMBERT & CO.'S  
SOLUBLE  
QUININE TABLETS.**

A soluble Quinine Pessary of proved absolute reliability. Upwards of 4,000,000 have been sold without a complaint of failure.

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"NON PLUS ULTRA"

**CATHETERS and BOUGIES**

WARRANTED WOVEN EYES, SOLID ENDS, VERY FLEXIBLE AND STRONG WEB.

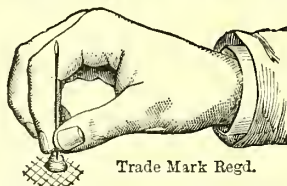
Cylindrical .. .. .	7/6 per dozen.
Conical .. .. .	8/6 „
A Boule or Olive pointed .. .. .	9/6 „
A Coudée or Mercier .. .. .	15/- „

Large Discount for Wholesale Buyers.

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(ESTABLISHED 1877),

**12 PALL MALL EAST,  
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**CALF AND HUMAN.**


Trade Mark Regd.

Telegraphic Address—

"DARQUE LONDON."

Office Hours—

10 till 4; Saturday, 10 till 2.

**PURE & RELIABLE.**

All Antiseptic Precautions most carefully observed.

**CALF**, Tubes, 2/-; Half-Tube, or two S.V. tubes, 1/-.

**HUMAN**, from healthy children only, microscopically examined and source quoted. Tubes, two-thirds full, 1/8 each; one-third full, 1/- each. Tubes, two-thirds full (in every respect equal to those mentioned above, but without source), in quantities for export, £5 per 100.

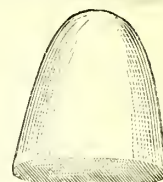
**PIN-POINTS GRATIS WITH VACCINE WHEN REQUESTED.**
**POMADE**, especially active, for Export, 5/-, 10/-, 20/- each.
Sole Agents for **DR. WARLOMONT'S CALF VACCINE.** For price see Calf Vaccine above.

P.O.O. (including postage, and crossed London and Westminster Bank), with orders payable to EDWARD DARKE, Sec.



# RENDELL'S

"WIFE'S FRIEND" SOLUBLE QUININE PESSARIES,



## IMPORTANT NOTICE AND CAUTION


Several Injunctions in the High Court of Justice having already been obtained against "Infringers" (reports of which have appeared in "The Chemist and Druggist," the most recent being in issue of April 24, 1897), W. J. RENDELL'S SOLICITORS are instructed to take proceedings against all persons (Makers or Vendors) fraudulently using the name of "W. J. RENDELL," "RENDELL," or any colourable imitation thereof, in connection with Pessaries *not* manufactured by

**W. J. RENDELL,**

Inventor and Sole Maker of the "WIFE'S FRIEND" SOLUBLE PESSARY,

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See that the Registered Trade Mark and Number (but in red ink) are upon each box thus:—

Registered  
Trade Mark   
without which  
none are genuine.  
No. 182,688.

*W. J. Rendell*

Registered also in Australia, India, The Cape, The Argentine, Germany, &c.

# SURGICAL DRESSINGS.

**ABSORBENT  
COTTON LINTS,  
FLAX LINTS,  
ROLL BANDAGES,  
COTTON WOOLS.**

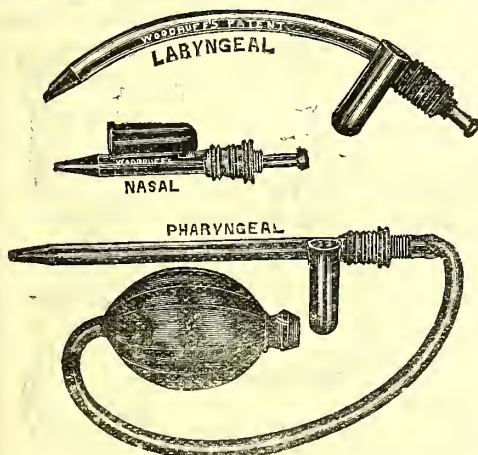


**"GAMGEE TISSUE"**  
(Patent Absorbent Gauze and Cotton Wool)

AND  
**All kinds of  
ANTISEPTIC  
DRESSINGS.**

MANUFACTURED BY  
**ROBINSON & SONS, COTTON SPINNERS, WEAVERS, Wheat Bridge Mills, CHESTERFIELD,**  
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## THE NEW CELLULOID SPRAY PRODUCER (Woodruff's Patent).

An ideal apparatus for the administration and accurate use of Medicated Liquids or Solutions in minute quantities. The three forms shown are constructed so as to allow of the direct action of the Spray on the Larynx, Pharynx, and Mucous Membrane of the Nasal Cavity.

### NETT TRADE PRICES:

LARYNGEAL, complete,	60/- doz.	Retail	6/6 each.
PHARYNGEAL	54/- "	"	6/- "
NASAL	50/- "	"	5/6 "

Spare Mounts, Bellows, and Pipettes are also supplied.

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A PROFITABLE LINE!! EASILY HANDLED!!  
**HEARN'S GLASS ILLUMINATION LAMPS**  
 (NEW REGISTERED DESIGNS)

Telephone No. 72.  
 Dalston.

Will be greatly in demand  
 on the occasion of

**HER MAJESTY'S DIAMOND JUBILEE.**



Grape Pattern.

**MADE IN ENGLAND.**

For Illuminating Private Residences,  
 Public Buildings, Gardens, Fetes,  
 Conservatories, Lakes, Hotel Gardens,  
 Shop Fronts, Bazaars, Yachts, &c.

The lamps are packed in Cases of 12, 24, 36,  
 50, and 100, each Case containing an assort-  
 ment of colours and patterns, and a correspond-  
 ing number of lights.



Queen's Head  
 Pattern.

**MADE IN ENGLAND.**

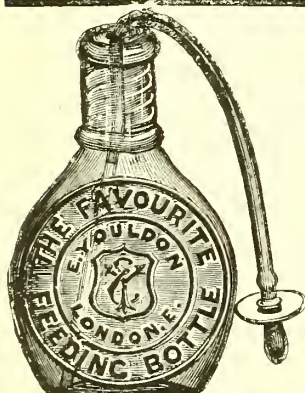
The Lamps are wired ready for hanging, and  
 are made in the following colours:—Amber,  
 Dark Blue, Dark Green, Puce, Venetian,  
 White, Ruby Stained, &c.

A very Handsome Show Card is  
 presented with opening Order.



Tulip Pattern.

For full particulars as to Prices, Terms, &c., apply to **S. MAW, SON & THOMPSON**, Aldersgate St.; **F. NEWBURY & SONS**,  
 King Edward St.; **BARCLAY & SONS (LIM.)**, Farringdon St.; and all the principal Wholesale Houses.



## FEEDING BOTTLES

OF THE BEST MANUFACTURE.

**PRICES REDUCED.**

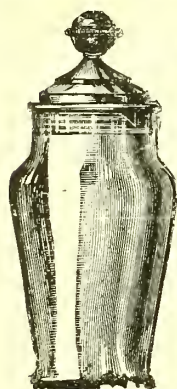
These are fitted with **BEST QUALITY RUBBER ONLY**, and are thoroughly Reliable.

**TRY THEM. THEY SELL WELL.**

A Trial Order  
 Solicited.



**E. YOULDON** (Established 1840), 36, 38, & 40 Great Garden Street, LONDON, E.



## NEW PATENT AIR-TIGHT CHEMIST JAR.

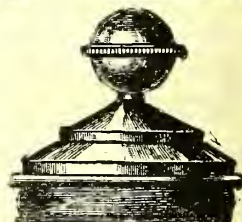
A slight turn of the knob presses the indiarubber Band against  
 the glass, and renders the vessel absolutely air-tight. The Stopper  
 is made of pure Nickel, of handsome shape.

**INVALUABLE FOR SHOW BOTTLES, CHEMISTS, CONFECTIONERS, ETC.**

Samples and Prices of all Chemists' Sundriesmen.

**C. MELIN,**

37 CRUTCHED FRIARS, MARK LANE, E.C.



Section of the Nickel  
 Stopper when closed.

## ROGERS & CO.

**MEDICAL BOX TURNERS,**

Turners of every description of Tooth Powder, Plate Powder, Pill and Puff Boxes, used by Chemists, Perfumers, &c.

Price Lists on application.]

INVENTORS AND MANUFACTURERS OF THE PATENT

## SILICATED GREASE PROOF BOXES.



PINCUSHION PUFF  
 BOX.



A perfect substitute for covered pots. These boxes  
 are made of white wood, silicated inside, rendering  
 them quite grease-proof, and will be found very  
 convenient to send by post. They are very light,  
 being one-sixth the weight of covered pots. They  
 are not breakable. The lids fit quite air-tight.  
 They are made to stand any climate. These boxes  
 have been used over 20 years, and have always given  
 the greatest satisfaction. Each box is stamped  
 on the bottom with our registered stamp thus



Registered No. 5,132.



TONIC GOBLET.



Manufacturers of the Tonic Cups and Goblets. Shippers & Large Buyers. Special Quotations on application.

**CARTER ST., WALWORTH, LONDON.**



DO YOU  
WANT MONEY?

REAP IT!!!

We are Sowing it in Advertising the

Half-Penny **MENE TOWEL** for Ladies.

**ANTISEPTIC.**  
**ABSORBENT.**  
**COMFORTABLE.**

**PRICES.**

No. 1, 4/9, to retail at 6/- per gross.  
No. 2, 9/- " " 12/- "  
No. 3, 12/- " " 18/- "

**MENE TOWELS** are far superior to any other Towel.

**MENE TOWELS** are Antiseptic and perfectly Pure.

**MENE TOWELS** are manufactured in England.

**MENE TOWELS** last twice as long as any penny Towel.



**MENE TOWELS** will prevent Linen being soiled, a great gain.

**MENE TOWELS** are the most comfortable yet introduced.

**MENE TOWELS** once used always used.

**MENE TOWELS** are selling wonderfully all over the Kingdom.

**WHOLESALE AGENTS:**

BARCLAY & SONS, Limited, 95 Farringdon Street, E.C.  
BENTLEY & SON, 61 Bath Street, City Road, E.C.  
BURGOYNE, BURBIDGES & CO., 12-16 Coleman Street, E.C.  
BUTLER & CRISPE, 82 Clerkenwell Road, E.C.  
HOVENDEN & SONS, 91-95 City Road, E.C.  
HOVENDEN & SONS, Berners Street, W.  
MACE & HALDANE, 94 Milton Street, E.C.

MAY, ROBERTS & CO., 9 Clerkenwell Road, E.C.  
SUTTON & CO., 76 Chiswell Street, E.C.  
E. WIMPORY & CO., 21 Finsbury Pavement, London, E.C.  
THE MENE TOWEL CO., 43 Barbican, E.C.  
Agents for South Africa: B. G. LENNON & CO., and THE NATAL DRUG CO.

# COD LIVER OIL

**"HENRIKSEN & CO.'S" Brand.**

*Guaranteed Pure. Very Finest 1897 Lofoden Non-freezing.*

FOR SAMPLES AND PRICES APPLY TO

**R. MORRISON & CO., 2 Fen Court, LONDON, E.C.**

Sole Agents for the United Kingdom and Colonies.

"HENRIKSEN & CO." are actual Manufacturers, & were awarded Gold Medals at the Tromsø Exhibitions in 1870 and 1894.

## ESCHMANN BROS. & WALSH.

Inventors and Manufacturers of the

**SOFT SILK FLEXIBLE CATHETER, GUARANTEED WITH WOVEN EYES.**

To be had of all Surgical  
Instrument Makers  
and Wholesale Houses.



To be had of all Surgical  
Instrument Makers  
and Wholesale Houses.



**BURROUGH'S "RED CROSS BRAND"**

# COCA WINE.

**WRITE FOR PRICES AND SAMPLES.**

Dr. A. B. GRIFFITHS says, "Second to none in the market."—Aug. 24, 1896.

DALE STREET DISTILLERY,  
CHELSEA,  
LONDON, S.W.

Also S.V.R. & S.V.M.  
At Lowest Prices.



# CARDS.

FOR TERMS APPLY TO THE PUBLISHER

## FRED<sup>K</sup>. FINK & CO.

10 & 11 MINCING LANE, LONDON, E.C.

SPECIALITIES: Glycerine—Gum Arabic—  
Gum Tragacanth—Pure Beeswax—Honey.

## DISINFECTANTS

The **THYMO-CRESOL FLUID** is a more powerful germicide than pure Carbolic Acid—non-poisonous, non-corrosive.

Bottles and Tins, 6d., 1/6, 2/6, 4/6, 7/6.

Ness & Company, Darlington.

## CORNS! BUNIONS! NAILS!

And all Diseases of the Feet Successfully Treated, Without Pain, by  
**MR. GARDNER, 85 REGENT STREET, W.**  
Highest surgical testimonials (Sir Wm. Jenner, &c.). Also testimonials from the Prime Minister, Bishop of London, H.R.H. Prince Christian, &c.  
**CORN, BUNION, and Chilblain Ointment** absolutely cures gouty and all painful affections of tender feet, soft corns, stiff and enlarged toes and joints, &c. Post free 15 stamps. **SKIN TONIC BALSAM** gives great Purity of Complexion, removes Redness, Roughness, also promotes healthy action and Softness of the Skin. 19 or 38 stamps

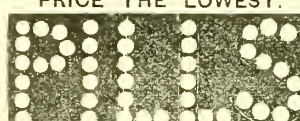
## ENGLISH (guaranteed) SANDAL WOOD OIL CAPSULES.

**Wm. DROEGE & CO.,** Proprietors of the "HEBE" Brand.  
Registered No. 189,817,  
14 UPPER THAMES STREET, E.C.

## Yanatas

(REGISTERED).

THE ABSOLUTE PREVENTIVE OF SEA SICKNESS.  
Wholesale Agents—**DAVIN BROTHERS, 87A Leadenhall St. LONDON.**

**P** **PRICE THE LOWEST.** **PEARL COATED.** **W**  
 **UNEXCELLED FOR** **A**  
**QUALITY & FINISH.** **QUALITY & FINISH.** **N**  
**Write for Lists and** **Press Opinions.** **D**  
**S WAND, PILL FACTORY, LEICESTER.**

## TO DENTISTS & CHEMISTS PRACTISING DENTISTRY.

High-class Dental Mechanism in Gold, Dental Alloy, Tubes, Gum Sections, Vulcanite, Celluloid, or their Combinations, and Repairs, by

**A. J. FENTIMAN & CO., 2 UPPER EAST SMITHFIELD, LONDON, E.**

Mechanical Dentists to the Profession at most Moderate Charges.

ESTABLISHED 1835.

A staff of Skilled and Experienced Assistants under responsible Manager.

Postal Address—A. J. FENTIMAN & Co., 2 Upper East Smithfield, London.

## PRECIPITATED CHALK.

CRETA PROECIP.

Whitest & Purest Quality. Cheapest Sellers in the Market.

**AUG. LEVERMORE & CO., 84 Lime St., LONDON, E.C.**

Telegrams—"LEVERMORE LONDON." A B C Code used.

## "SILVERY WHITE GUTTA PERCHA ENAMEL" TOOTH STOPPING.



**P. A. STEVENS, Surgeon-Dentist,**

72 MANSFIELD ROAD, N.W.,

SOLE PROPRIETOR AND MANUFACTURER.

Registered—No. 2745.

Special Terms to Wholesale Houses for Sheet or Sticks stamped with their own name. A sample box of 5d. sticks sent post free for 12 stamps. Price list and sample free.

"Detergent" for Bottle-washing,  
Precipitated Chalk, Hyposulphite of Soda,  
Sulphite of Soda, Glauber Salts, Epsom Salts,  
Salts of Tartar, Alum, Sulphite of Lime.  
**E. BRAMWELL & SON, ST. HELENS, LANC.**

## Inventors **J. W. PINDAR & CO.** Inventors

Write for our Illustrated Catalogue of  
THE NEW ROTARY PILL MACHINES, PIPING  
PRESS AND MASS KNEADERS, COATERS,  
D.A. TINCTURE PRESSES, &c., &c.

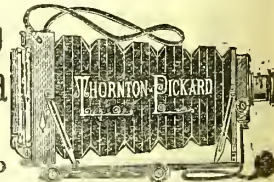
75 NEW CHURCH ROAD, CAMBERWELL, S.E.

## THE THORNTON-PICKARD New Camera

THE "AMBER."

From £5 3 6. Catalogue Free.

THE THORNTON-PICKARD  
MFG. CO. (LTD.), Altrincham.



## CORKS! CORKS!! CORKS!!! RINGROSE & COBB, Cork Merchants,

120 Cambridge Road, Mile End, London, E.

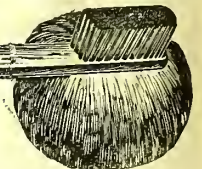
Manufacture and supply every description of Corks, Bungs, Shives, Taps,  
Bath Mats, &c., &c.

Dispensing Corks, 5 and 8 oz., from 6d. Vials, 1 to 8 oz., from 4d.  
Samples forwarded on application to any price at 'ed.

## A Novelty that Sells quickly and gives satisfaction. THE DOMESTIC DISH WASHER.

PATENT APPS FOR

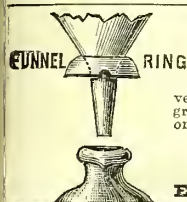
200 Gross Sold in a few weeks.  
Appeals to the common sense of every lady owner.  
Advertised in the leading journals at  
6d. each. Trade discount 88 per cent. Sent with  
Descriptive Circulars, carriage paid, all over the  
United Kingdom. Of the Patentees—  
A. Pinfold & Co., Metronome Works, Bradford, Yorks.





**SHOPFITTERS AND SHOWCASE MAKERS.**

All who intend **OPENING SHOPS** should apply to the **ACTUAL MANUFACTURERS,**  
**CHAS. JOSEPHS & CO.,**  
**5 NEW OXFORD ST., LONDON, W.C.**  
**ESTIMATES AND PLAN FREE.**

**GREEN'S PATENT FUNNEL RINGS**

Are a great help in **STRAINING, BOTTLING, and FILTERING.**  
 They support the funnel in an upright position and prevent tipping and spilling, the air escaping through the grooves. Made of good rubber for glass funnels, and hold on of their own accord. *For Dispensing and Photography.*

PRICE 1/- SET OF 6, OR SINGLY.

AGENTS—Messrs. TOOGOOD & SONS and JONATHAN FALLOWFIELD.

**E. J. GREEN, Chemist, ROCHESTER.**

**CACHETS "FINOT"**

(White or Coloured),  
**WITH INSCRIPTIONS IN ANY DESIRED TINT; ALSO PLAIN OR EMBOSSED.**

"Beautifully made, and the inscriptions give them a distinction all their own."—*O. & D.*

SOLE AGENTS—

**COOPER & CO., 80 Gloucester Road, SOUTH KENSINGTON.**

When ordering through Wholesale Houses please specify Cachets "Finot."

**GROUND JAMAICA GINGER.**

**FINEST HITHERTO PRODUCED.**

**PURITY GUARANTEED. AROMA EXCEPTIONAL.**

In 7, 14, and 28 lb. tins. Price 1/3 per lb, 120/- per cwt.

**WM. HAY, LTD., MFG. CHEMISTS, HULL.**

**E. H. THIÉLLAY'S (Registered 1867) EUCALYPTIA.**

From "Eucalyptus Globulus." An authentic agent for the hair, instantly stopping its falling off, and its invaluable for hairdressing; a safeguard in epidemic times, protecting surrounding the respiratory functions from malarious and vitiated emanations. In Bottles at 2/6, 8/6, 4/6, 7/-, 10/-, &c.

All Wholesale Houses, or direct from

**E. H. THIÉLLAY.**

Parfumeur Chimiste, Amersham Park, New Cross, LONDON.  
 (BROW ROOMS AT CEARING CROSS HOTEL.)

**RICHARD BRÜCKNER, HAMBURG,**

COMMISSION MERCHANT.

IMPORTER & EXPORTER of all kinds of **CRUDE DRUGS.**  
**SPECIALITIES.**—Aniseeds, Herbs, Cod-liver Oil, Egrot of Rye, Isinglass, Lycopodium, Cummin Seed, Arsenic, Sugar of Milk.

**CHEMICALS. SPICES.**

Goods specially packed for Export to all parts.

Thos. CHRISTY & CO.

3/- per 1,000.

In Six Sizes.

**MORSIAD**  
 WHITE  
 OR IN  
 VARIOUS COLOURS.

**CACHETS**  
 25  
 Lime St.,  
 LONDON, E.C.

**TANNIC ACID**

80. per lb. **JOHN BURDON & CO.,**  
 1 cwt. kegs. 56 Leadenhall St., LONDON, E.C.



A Most Powerful, Absolutely Non-Poisonous, Non-Irritant, & Convenient

**ANTISEPTIC DISINFECTANT & DEODORANT**

Chinosol (C<sub>12</sub>H<sub>11</sub>NKSO<sub>3</sub>) is, as shown by the Bacteriological Reports, at least **40 times** stronger in its germicidal action than Carbolic Acid, without possessing the **dangerous** and otherwise **objectionable** properties of the latter.

Chinosol is sold in various forms adapted to its manifold important applications—viz., Pure Chinosol, in Powder and Compressed Tablets; Crude Chinosol, in Granular and Fluid form, as a Disinfectant and Deodorant; Dusting Powder, for Wounds, Sores, and for Destruction of Parasites, &c.; Chinosol Lanolin Ointment; Chinosol Antiseptic Surgical Dressings; Chinosol Soap (Medicinal, Veterinary, and Toilet), &c., &c.

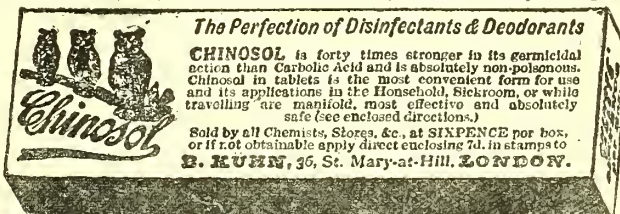
A special and very saleable Counter line, for Retail, is provided in a box (as per facsimile), containing Chinosol Tablets, sufficient to make, by simply dissolving in cold water, 2 gallons of a strong Deodorant, or 10 gallons of an efficient Disinfectant.

This box is Retail at **SIXPENCE.**

FOR PRICES, LITERATURE, &c., APPLY TO

**B. KÜHN 36 St. Mary-at-Hill, LONDON.**

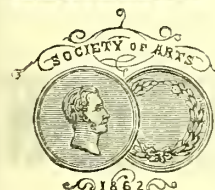
Sole Licensees for the United Kingdom, the British Colonies & Dependencies.



**The Perfection of Disinfectants & Deodorants**

**CHINOSOL** is forty times stronger in its germicidal action than Carbolic Acid and is absolutely non-poisonous. Chinosol in tablets is the most convenient form for use and its applications in the Household, Sickroom, or while travelling are manifold, most effective and absolutely safe (see enclosed directions.)

Sold by all Chemists, Stores, &c., at **SIXPENCE** per box, or if not obtainable apply direct enclosing 7d. in stamps to **B. KÜHN, 36, St. Mary-at-Hill, LONDON.**



OFFICE—  
**149 St. Vincent St.,  
 GLASGOW.**

WORKS—  
**Whitecrock,  
 CLYDEBANK.**

**THE BRITISH CHEMICAL CO., LIM.**

(EDW. C. C. STANFORD, F.I.C., F.C.S., Manager and Director),

MANUFACTURERS OF PURE

**Iodides of Potassium and Sodium  
 and Resublimed Iodine.**

London Agents—  
**W. V. ROBINSON & CO.**  
 Market Buildings,  
 Mincing Lane,  
**LONDON, E.C.**

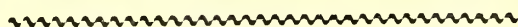


IT WILL PAY you to SELL SOAP!

**WHOSE SOAP?**

**COOK'S  
TOILET  
SOAP**

**OF EVERY DESCRIPTION.**



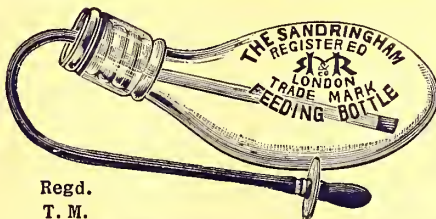
Representatives will promptly call if you write to

**EDWARD COOK & CO., LONDON.  
SOAP SPECIALISTS.**

**SPECIALITIES MADE FOR THE TRADE.**



Three Minutes' Walk from Aldersgate St. Station.

**MAY, ROBERTS & CO., LONDON.**Telegraphic Address: "FEEDING BOTTLES LONDON."  
Telephone No. 6889, Holborn Exchange.**THE SANDRINGHAM FEEDING BOTTLE.**Regd.  
T. M.

REGISTERED

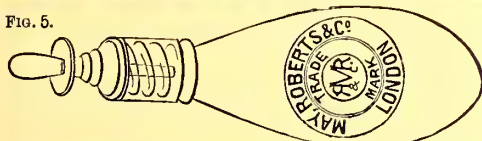


WHITE, Screw Glass Stoppers.

Each in box, two brushes.

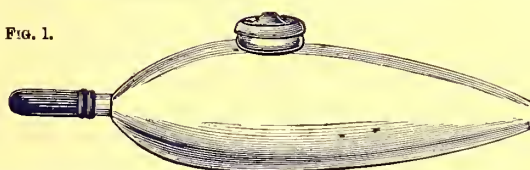
	Per doz.
Black fittings .. .. .	4/3
Spare black fittings .. .. .	2/-
Spare bottles .. .. .	1/3
Spare stoppers and washers .. .. .	9d.

FIG. 5.



White Glass, moulded, fitted with screw glass stopper, black indiarubber  
teat, bone shield, with brush, complete in box .. per doz. 6/-  
Spare bottles .. .. . 1/11  
Spare stoppers and washers .. .. . 1/3

FIG. 1.



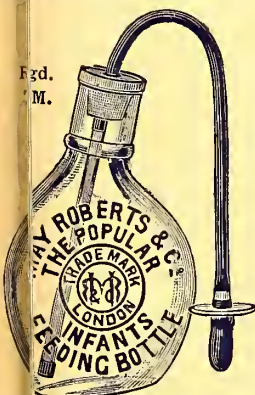
White Glass, hand-made, fitted with black teat and boxwood-topped cork,  
with brush, complete in box, three sizes .. .. . per doz. 6/9

**THE POPULAR (6d.).**

GREEN GLASS, Boxwood Tops.

	Per gross.
Black fittings, 1 gross in cask (free) 25/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/3
Black fittings, each in box ..	2/8
Spare black fittings .. .. .	1/4
Spare green bottles .. .. .	10d.
Spare white bottles .. .. .	1/-

If with White instead of Green Bottles,  
2d. per dozen extra.

**THE POPULAR (6d.).**

GREEN, Screw Glass Stoppers.

	Per gross.
Black fittings, 1 gross in cask (free) 31/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/9
Black fittings, each in box ..	3/2
Spare black fittings .. .. .	1/7
Spare green bottles .. .. .	1/1
Spare white bottles .. .. .	1/3
Spare stoppers and washers, green or white .. .. .	9d.

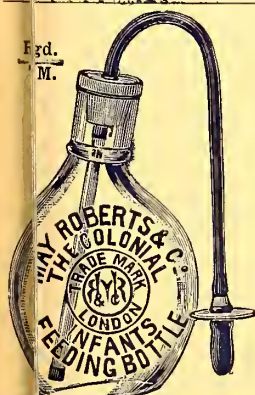
If with White instead of Green Bottles,  
2d. per dozen extra.

**THE COLONIAL (6d.).**

GREEN GLASS, Boxwood Tops.

	Per gross.
Black fittings, 1 gross in cask (free) 25/-	
	Per doz.
Black fittings, 1 dozen in box ..	2/3
Black fittings, each in box ..	2/8
Spare black fittings .. .. .	1/4
Spare green bottles .. .. .	10d.
Spare white bottles .. .. .	1/-

If with White instead of Green Bottles,  
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**THE COLONIAL (6d.).**

GREEN, Screw Glass Stoppers.

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Black fittings, 1 dozen in box ..	2/9
Black fittings, each in box ..	3/2
Spare black fittings .. .. .	1/7
Spare green bottles .. .. .	1/1
Spare white bottles .. .. .	1/3
Spare stoppers and washers, green or white .. .. .	9d.

If with White instead of Green Bottles,  
2d. per dozen extra.

**POPULAR or COLONIAL (1s.).**

WHITE, Earthenware Tops.

	per doz.
Each box, two brushes, black fittings .. .. .	4/-
Spare black fittings .. .. .	2/-
Spare bottles .. .. .	1/-

If Fitted with Seamless Teats, 1/6 per gross extra.

**POPULAR or COLONIAL (1s.).**

WHITE, Screw Glass Stoppers.

	per doz.
Black fittings, each in box, two brushes .. .. .	4/3
Spare black fittings .. .. .	2/-
Spare bottles .. .. .	1/3

ALL ABOVE SUBJECT TO USUAL TERMS.

**MAY, ROBERTS & CO., LONDON.**



UNDER EMINENT SCIENTIFIC CONTROL

# "APENTA"

THE BEST NATURAL APERIENT WATER.



## TRADE PRICES, per Case :

25 Large Bottles	...	...	...	...	...	20/-	Carriage Paid to any Railway Station in the United Kingdom.
50 Small "	...	...	...	...	...	32/6	
100 Quarter "	...	...	...	...	...	32/6	

5 per cent. Discount upon orders for 10 Cases.

**TERMS:—Six Months' Credit from date of Invoice, Net Cash.**

The Retail Prices printed on the labels are 1/3 per large bottle, 1/- per small bottle, and 6d. per quarter bottle.

**THE APOLLINARIS COMPANY, LIMITED,**

4 Stratford Place, Oxford Street, London, W.

## Cadbury's Cocoa

**ABSOLUTELY PURE  
therefore BEST.**

Cadbury's is "The Typical Cocoa of English Manufacture, Absolutely Pure." *The Analyst.*

NO CHEMICALS USED IN CADBURY'S AS IN THE SO-CALLED PURE FOREIGN COCOAS.

Telegrams :

"RELISH LEEDS."

Nat. Telephone

No. 954.

**GOODALL, BACKHOUSE & COMPANY**  
7 to 15 WHITEHORSE STREET,  
SOVEREIGN STREET AND VICTORIA ROAD,  
**LEEDS**

**MANUFACTURING CHEMISTS ♦ WHOLESALE DRUGGISTS,**

Drug and Spice Grinders,

Patent Medicine Dealers, Druggists' Sundriesmen, Tin Canister Makers.

PROPRIETORS OF

**YORKSHIRE RELISH AND GOODALL'S HOUSEHOLD SPECIALITIES.**

PRICE LISTS OF DRUGS, PATENT MEDICINES, AND PACKED GOODS ON APPLICATION.

Net Cash Prices Quoted for Wholesale Quantities. ■ ■ ■ Inquiries Solicited.







